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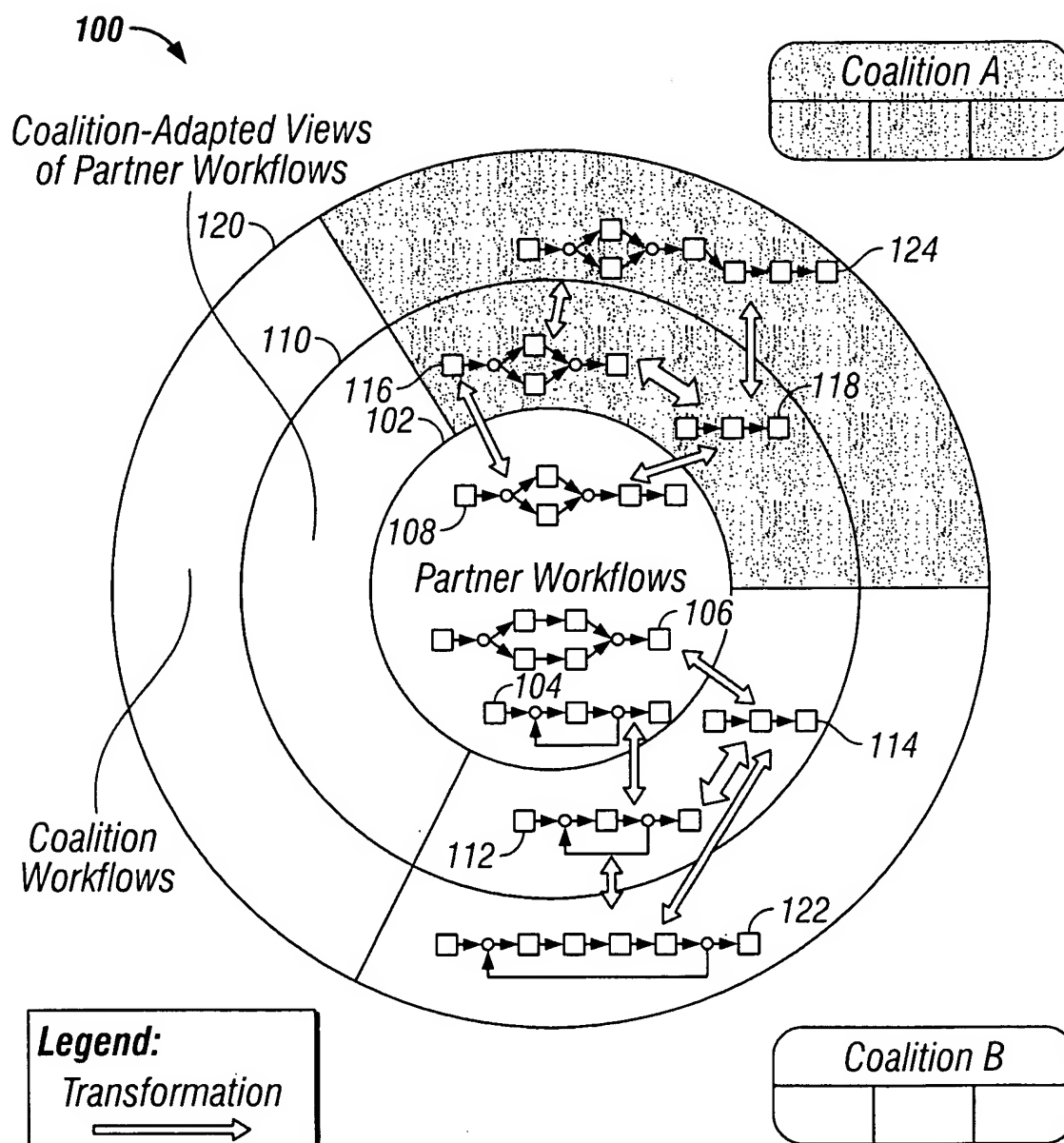


FIG. 1

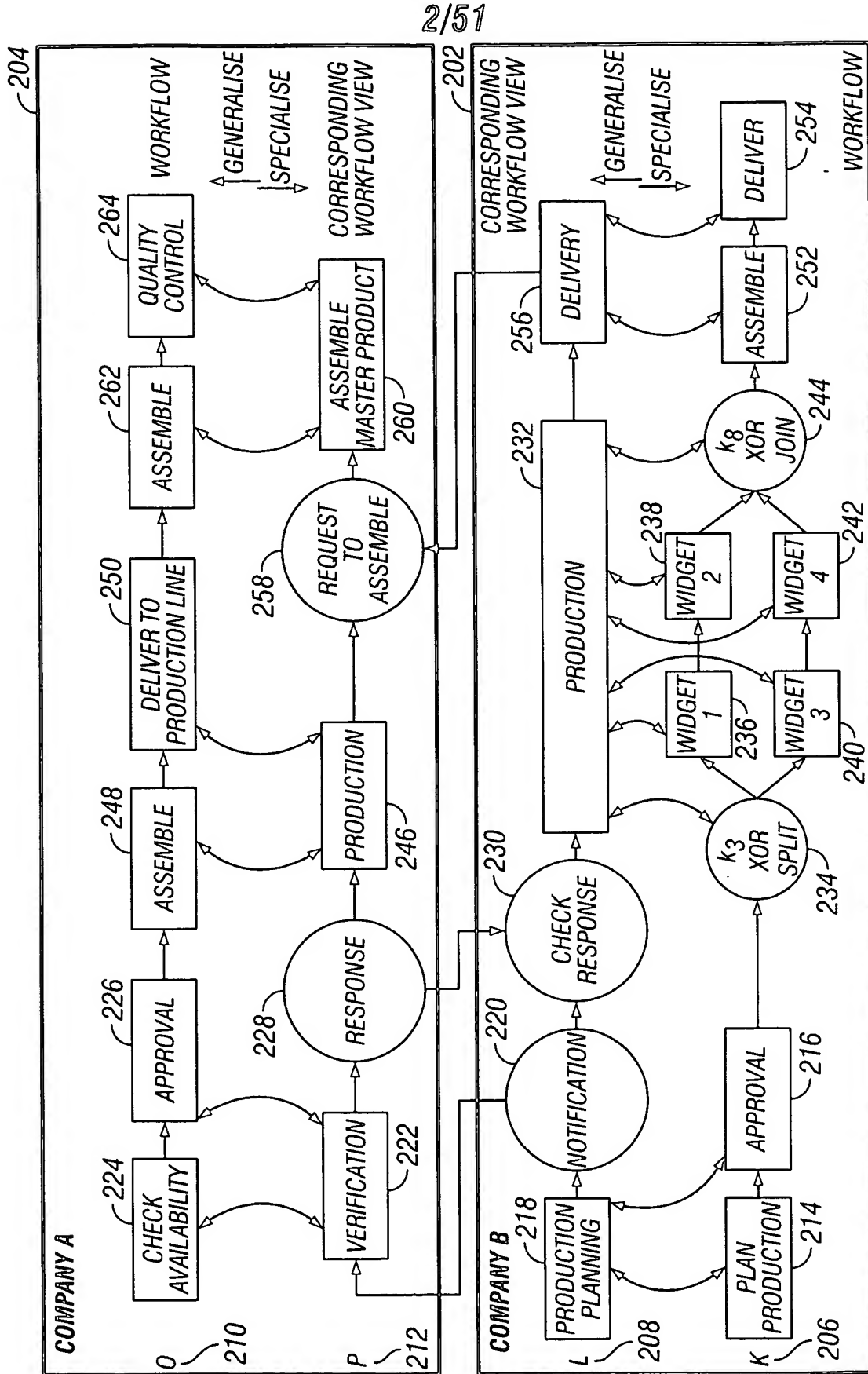


FIG. 2

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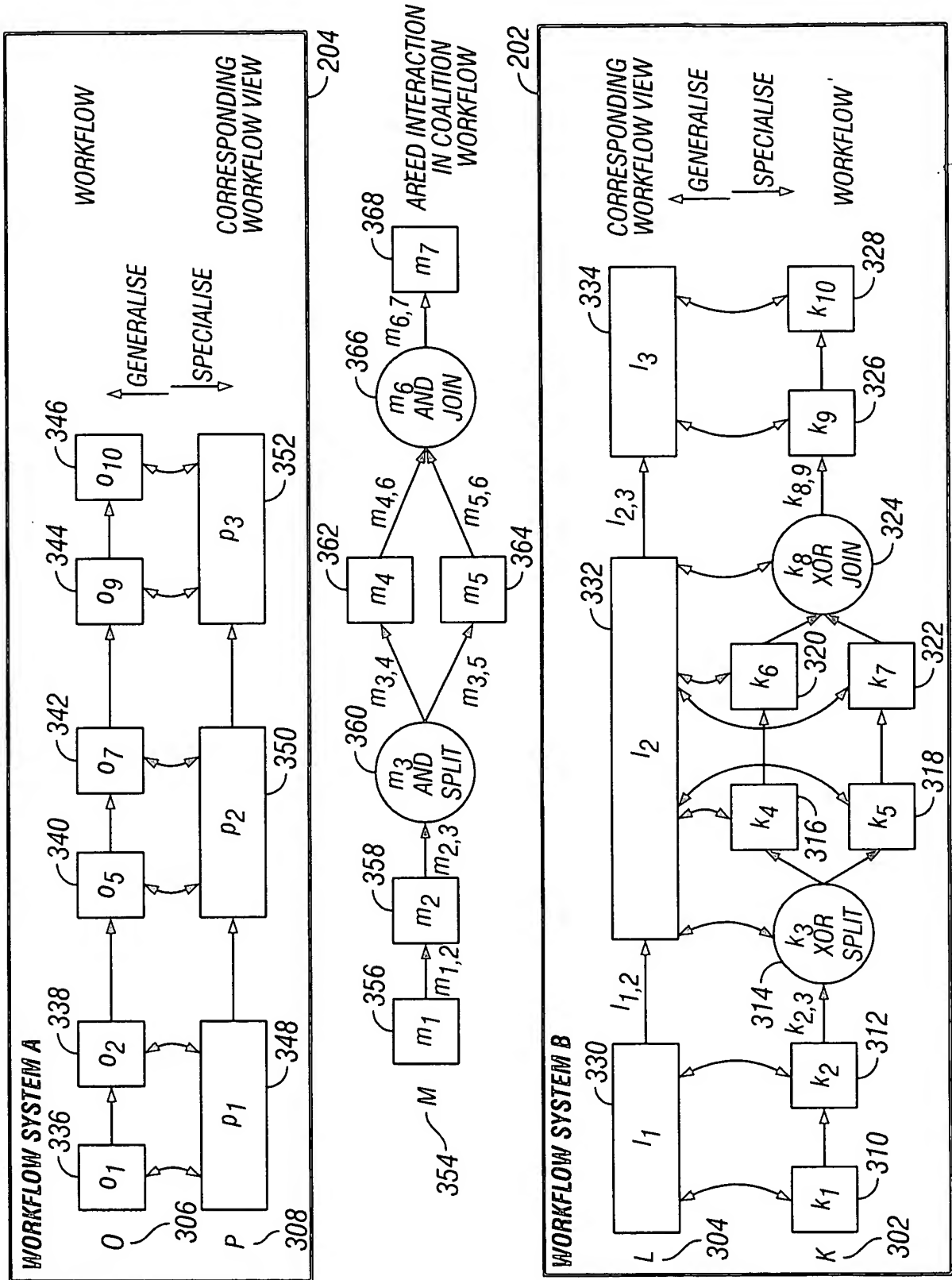


FIG. 3

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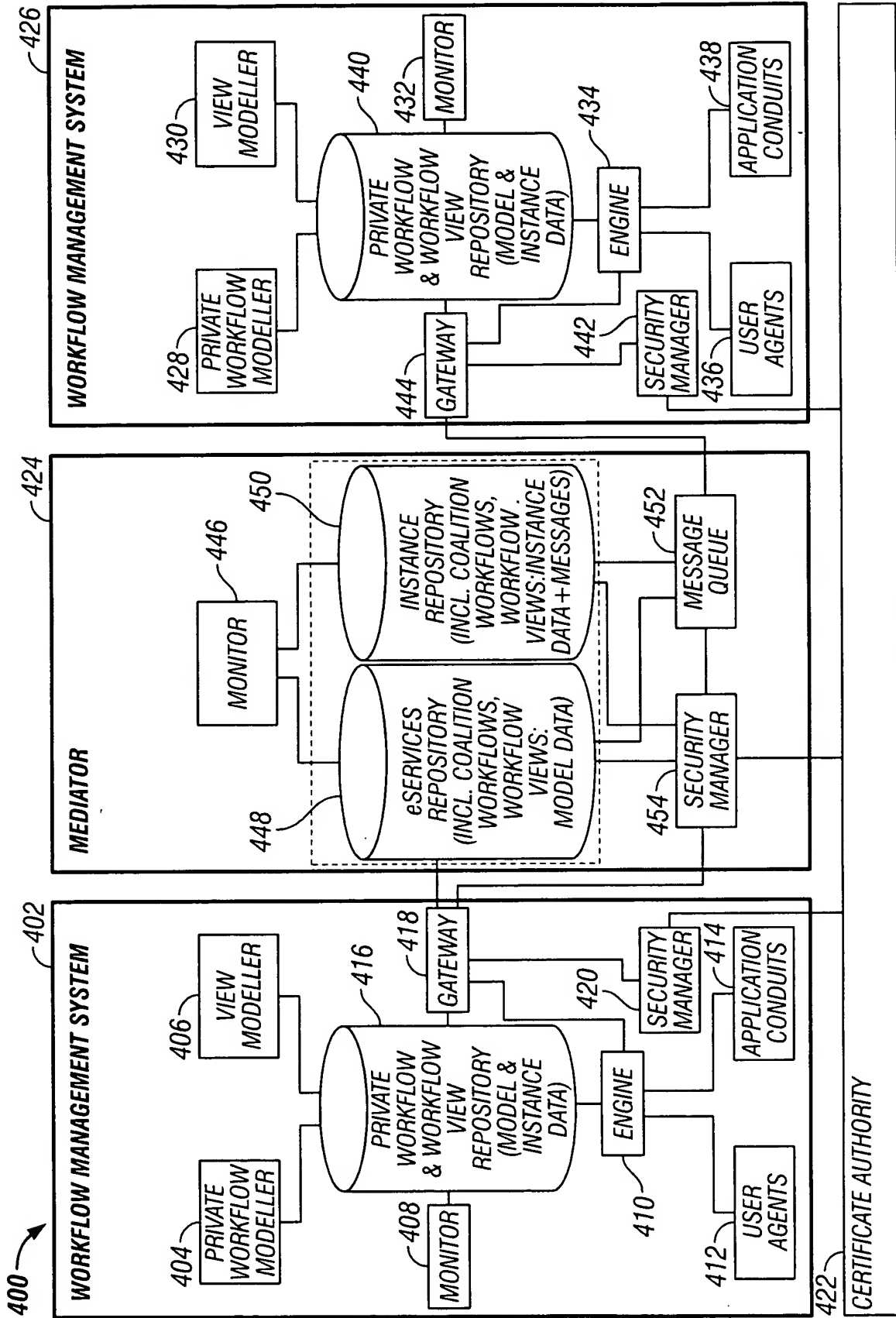


FIG. 4

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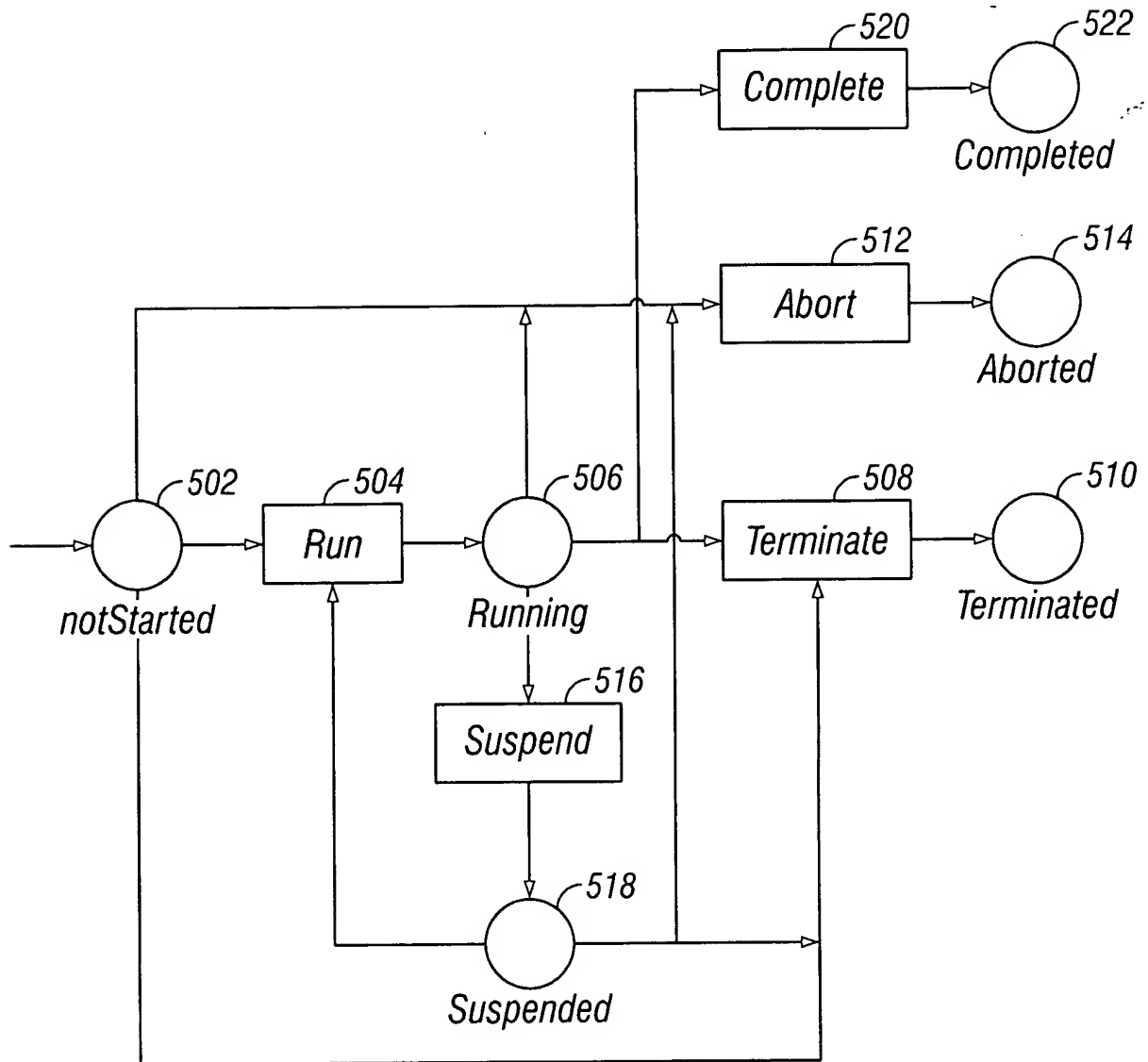


FIG. 5

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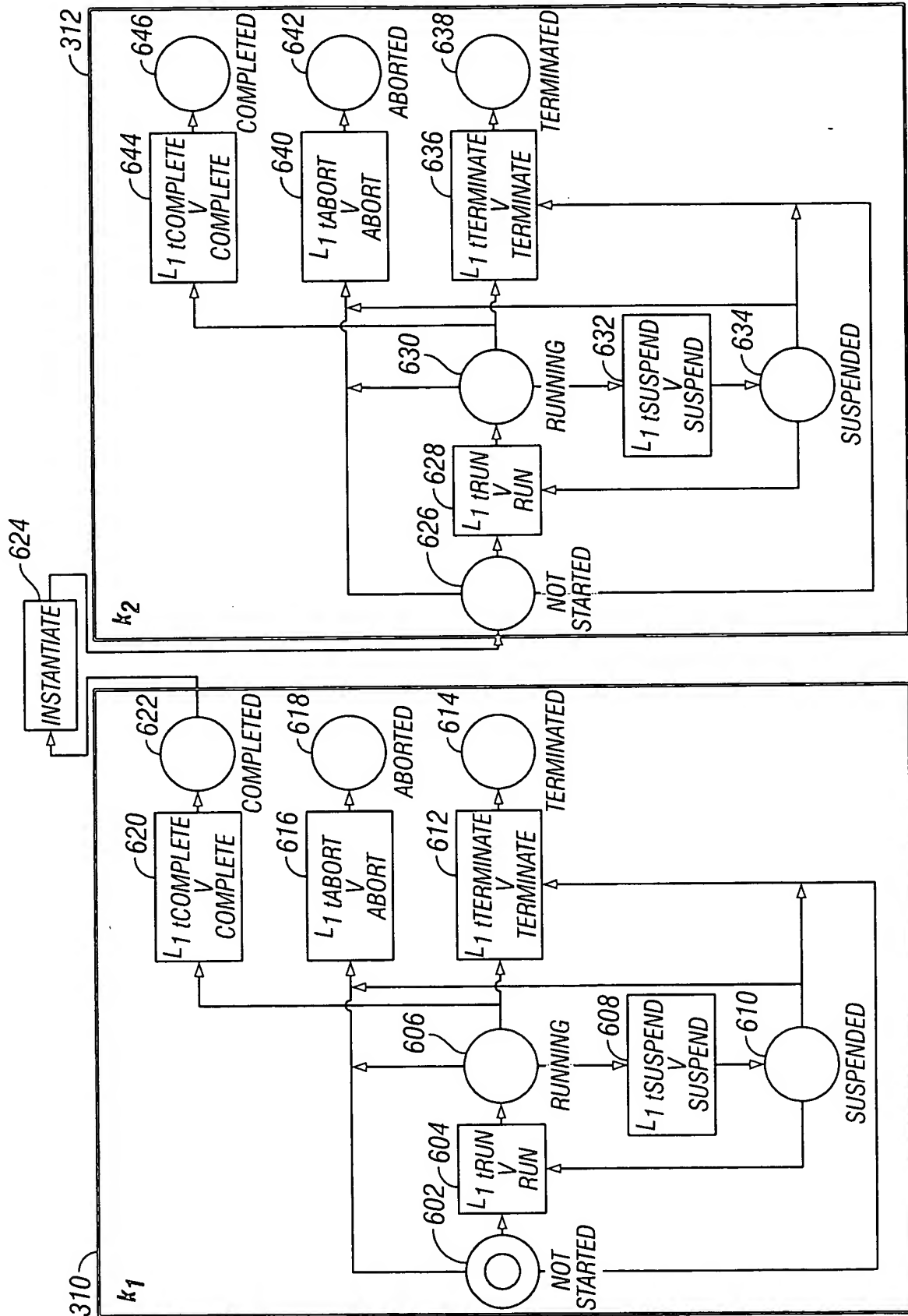
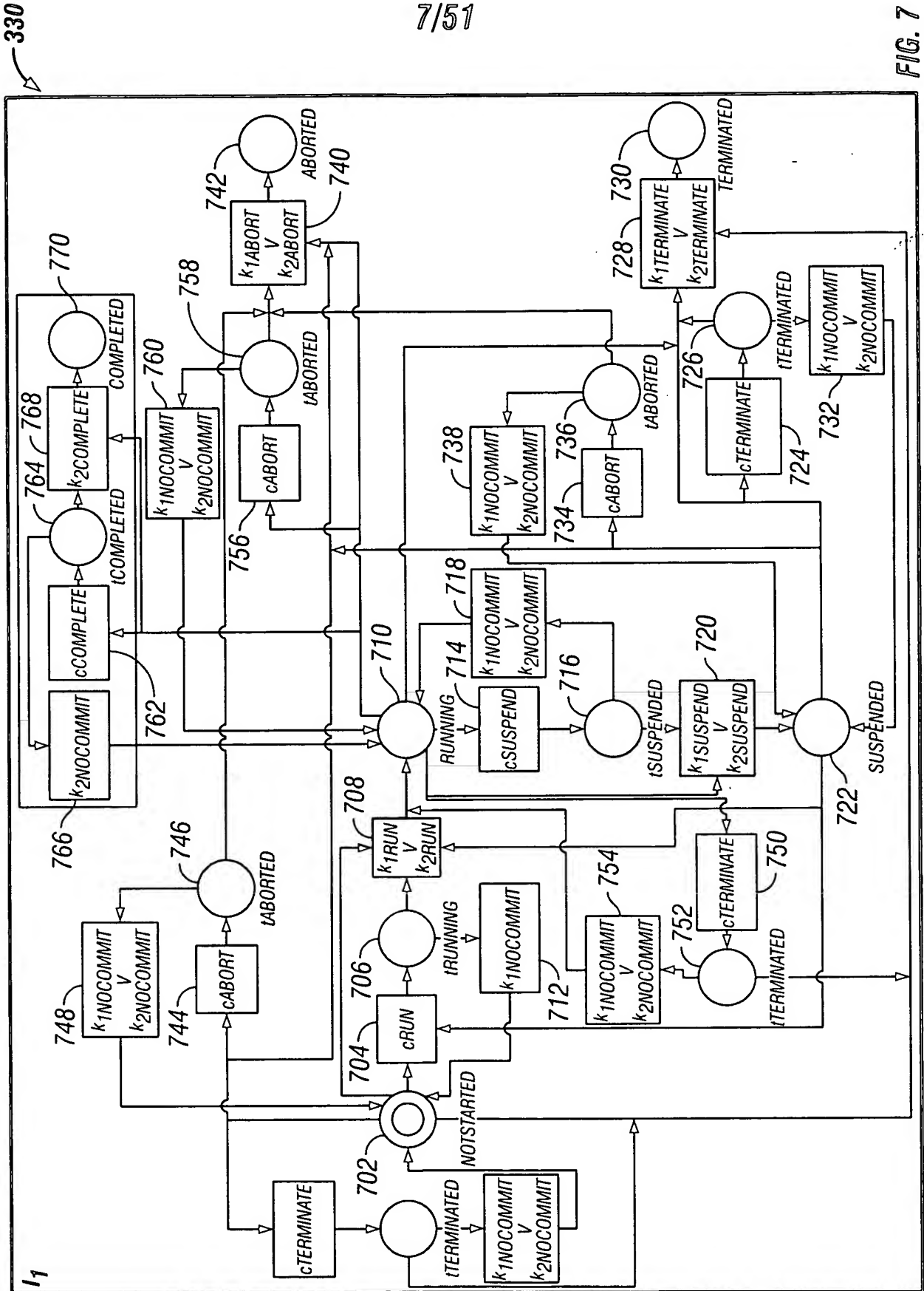


FIG. 6

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FIG. 7



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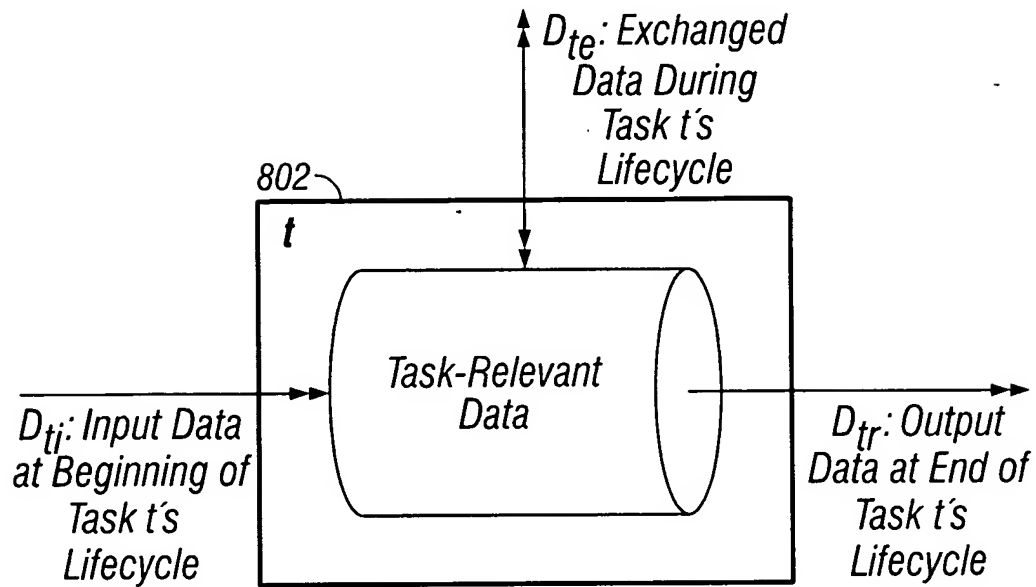


FIG. 8

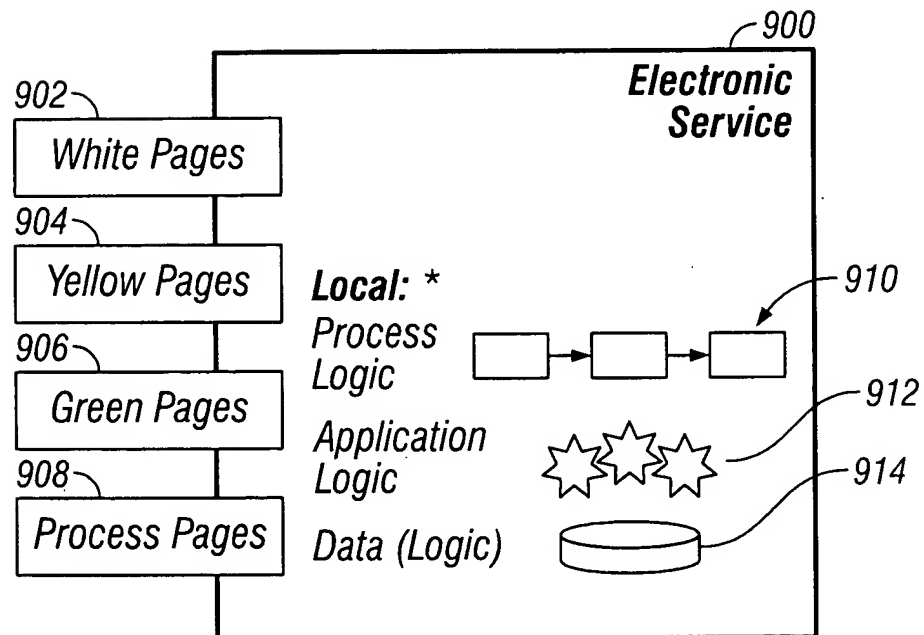


FIG. 9

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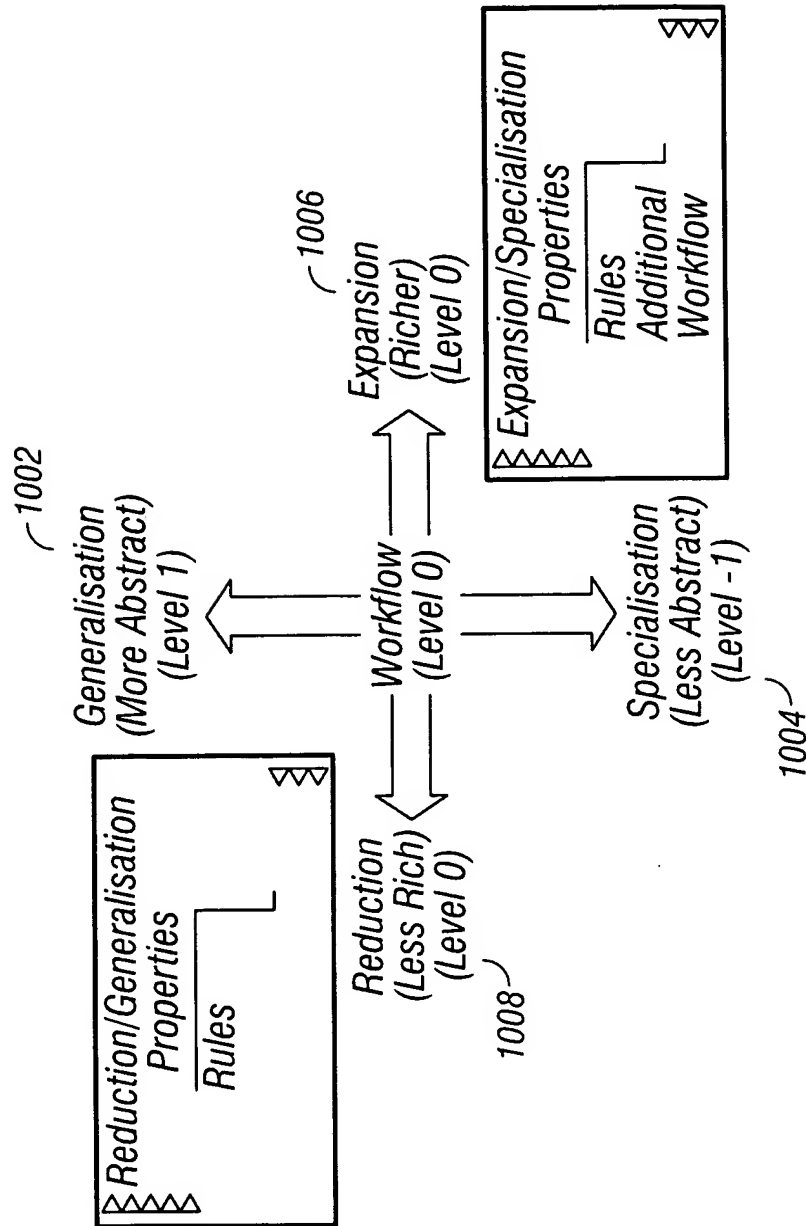


FIG. 10

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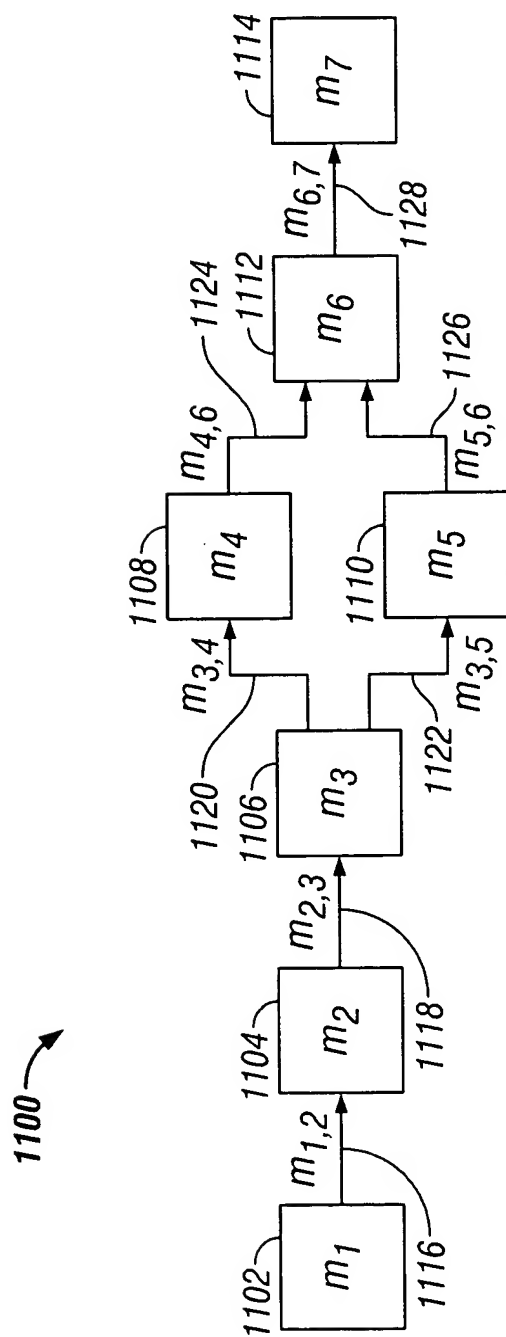


FIG. 11

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1200

Row-Index (i)	Column-Index (j) 1202												r
	1	2	...	l	l+1	...	l+n-1	l+n	
1	m _{1,1}	m _{1,2}	m _{1,...}	m _{1,l}	0	0	0	0	m _{1,l+1}	m _{1,...}	m _{1,m-1}	m _{1,m}	1204
2	m _{2,1}	m _{2,2}	m _{2,...}	m _{2,l}	0	0	0	0	m _{2,l+1}	m _{2,...}	m _{2,m-1}	m _{2,m}	
...	
l+n-1	m _{l+n-1,1}	m _{l+n-1,2}	m _{l+n-1,...}	m _{l+n-1,l}	0	0	0	0	m _{l+n-1,l+1}	m _{l+n-1,...}	m _{l+n-1,m-1}	m _{l+n-1,m}	
l+n	0	0	0	n _{1,1}	n _{1,2}	n _{1,...}	n _{1,n}	0	0	0	0	0	1206
l+1	0	0	0	n _{2,1}	n _{2,2}	n _{2,...}	n _{2,n}	0	0	0	0	0	
...	
l+n-1	0	0	0	n _{n,1}	n _{n,2}	n _{n,...}	n _{n,n}	0	0	0	0	0	
l+n	m _{l+n,1}	m _{l+n,2}	m _{l+n,...}	m _{l+n,l}	0	0	0	0	m _{l+n,l+1}	m _{l+n,...}	m _{l+n,m-1}	m _{l+n,m}	1208
l+1	m _{l+1,1}	m _{l+1,2}	m _{l+1,...}	m _{l+1,l}	0	0	0	0	m _{l+1,l+1}	m _{l+1,...}	m _{l+1,m-1}	m _{l+1,m}	
...	
l+n-1	m _{l+n-1,1}	m _{l+n-1,2}	m _{l+n-1,...}	m _{l+n-1,l}	0	0	0	0	m _{l+n-1,l+1}	m _{l+n-1,...}	m _{l+n-1,m-1}	m _{l+n-1,m}	
l+n	m _{l+n,1}	m _{l+n,2}	m _{l+n,...}	m _{l+n,l}	0	0	0	0	m _{l+n,l+1}	m _{l+n,...}	m _{l+n,m-1}	m _{l+n,m}	

1210

1208

FIG. 12

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Row-Index (i)		Column-Index (j)				1300			
		1	2	...	m-1	m	m+1	...	m+n
1	1	m _{1,1}	m _{1,2}	m _{1,...}	m _{1,m-1}	m _{1,m}	m _{1,l}	0	0
2	2	m _{2,1}	m _{2,2}	m _{2,...}	m _{2,m-1}	m _{2,m}	m _{2,l}	0	0
⋮	⋮	m _{⋮,1}	m _{⋮,2}	m _{⋮,...}	m _{⋮,m-1}	m _{⋮,m}	m _{⋮,l}	0	0
l	l	m _{l,1}	m _{l,2}	m _{l,...}	m _{l,m-1}	m _{l,m}	m _{l,l}	0	0
⋮	⋮	m _{⋮,1}	m _{⋮,2}	m _{⋮,...}	m _{⋮,m-1}	m _{⋮,m}	m _{⋮,l}	0	0
m-1	m-1	m _{m-1,1}	m _{m-1,2}	m _{m-1,...}	m _{m-1,m-1}	m _{m-1,m}	m _{m-1,l}	0	0
m	m	m _{m,1}	m _{m,2}	m _{m,...}	m _{m,m-1}	m _{m,m}	m _{m,l}	0	0
m+1	0	0	0	0	0	0	n _{1,1}	n _{1,...}	n _{1,n}
⋮	0	0	0	0	0	0	n _{⋮,1}	n _{⋮,...}	n _{⋮,n}
m+n-1	0	0	0	0	0	0	n _{m-1,1}	n _{m-1,...}	n _{m-1,n}
m+n	4	m _{l,1}	m _{l,2}	m _{l,...}	m _{l,m-1}	m _{l,m}	n _{n,1}	n _{n,...}	n _{n,n}

1304

1308

1306

1302

1300

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FIG. 13

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1400

Row-Index (i)	Column-Index (j)					
	1	2	...	k-1	k	k+1
1	$m_{1,1}$	$m_{1,2}$...	$m_{1,k-1}$	$m_{1,k}$	$m_{1,l+1}$
2	$m_{2,1}$	$m_{2,2}$...	$m_{2,k-1}$	$m_{2,k}$	$m_{2,l+1}$
...
k-1	$m_{k-1,1}$	$m_{k-1,2}$	...	$m_{k-1,k-1}$	$m_{k-1,k}$	$m_{k-1,l+1}$
k	$m_{l,1}$	$m_{l,2}$	...	$m_{l,k-1}$	0	$m_{l,l+1}$
	$m_{l+1,1}$	$m_{l+1,2}$	...	$m_{l+1,k-1}$	$m_{l+1,k}$	$m_{l+1,l+1}$

	$m_{m,1}$	$m_{m,2}$...	$m_{m,k-1}$	$m_{m,k}$	$m_{m,l+1}$
r	$m_{r,1}$	$m_{r,2}$...	$m_{r,k-1}$	$m_{r,k}$	$m_{r,l+1}$

1406

1408

1410

1412

1404

1400

FIG. 14



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Column-Index (j)		1600			
Row-Index (i)	1	...	k-1	k	k+1 ... k+n-1
	1	...	k-1	k	k+n
1	1	$m_{1,1}$	$m_{1,k-1}$	$m_{1,k}$...
...
k-1	k-1	$m_{k-1,1}$	$m_{k-1,k-1}$	$m_{k-1,k}$...
k	k	0	0	$n_{1,1}$	...
k+1	k+1	0	0	$n_{2,1}$	...
...
k+n-1	k+n-1	$m_{l,1}$	$m_{l,k-1}$	$n_{n,1}$	...
k+n	k+n	$m_{l+1,1}$	$m_{l+1,k-1}$	$m_{l+1,k}$	...
...
r-1	r-1	$m_{m-1,1}$	$m_{m-1,k-1}$	$m_{m-1,k}$	...
r	r	$m_{m,1}$	$m_{m,k-1}$	$m_{m,k}$	...
1612		1606			
1	1	$m_{1,l+1}$	...	$m_{1,m-1}$	$m_{1,m}$
...
k-1	k-1	$m_{k-1,l+1}$	...	$m_{k-1,m-1}$	$m_{k-1,m}$
k	k	0	0	0	0
k+1	k+1	0	0	0	0
...
k+n-1	k+n-1	$m_{l,l+1}$	...	$m_{l,m-1}$	$m_{l,m}$
k+n	k+n	$m_{l+1,l+1}$...	$m_{l+1,m-1}$	$m_{l+1,m}$
...
r-1	r-1	$m_{m-1,l+1}$...	$m_{m-1,m-1}$	$m_{m-1,m}$
r	r	$m_{m,l+1}$...	$m_{m,m-1}$	$m_{m,m}$
1614		1608			

FIG. 16

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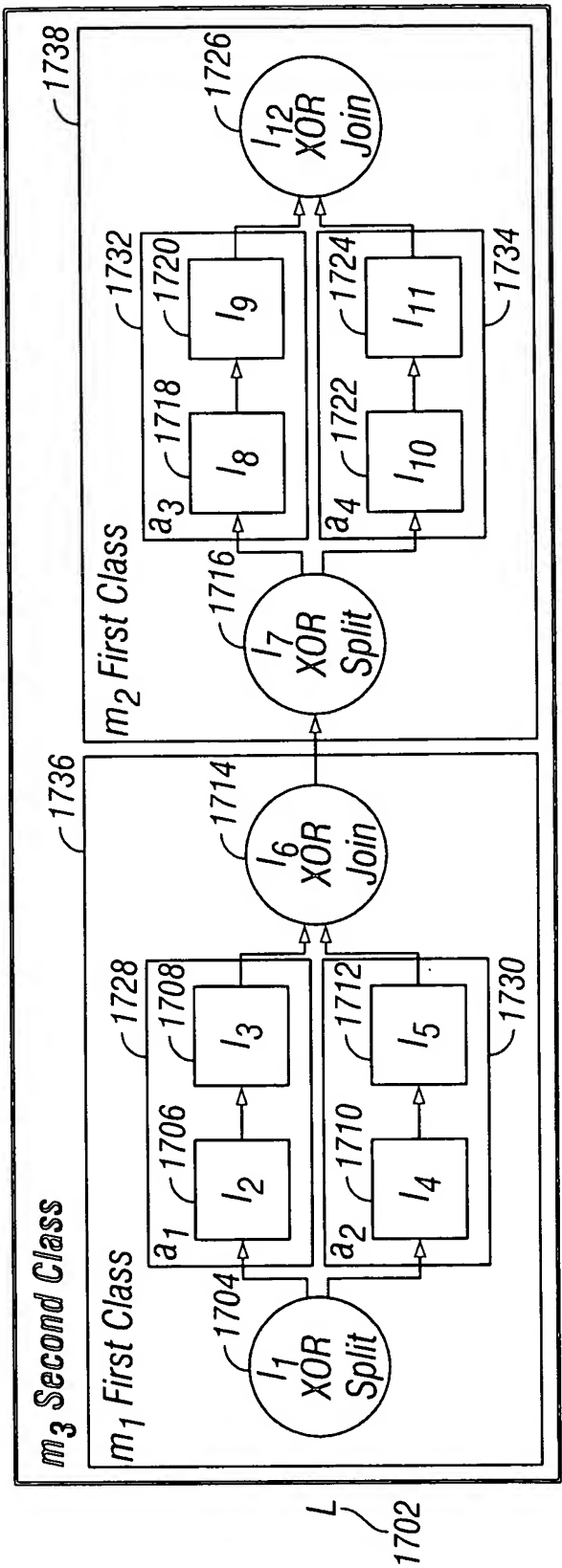


FIG. 17

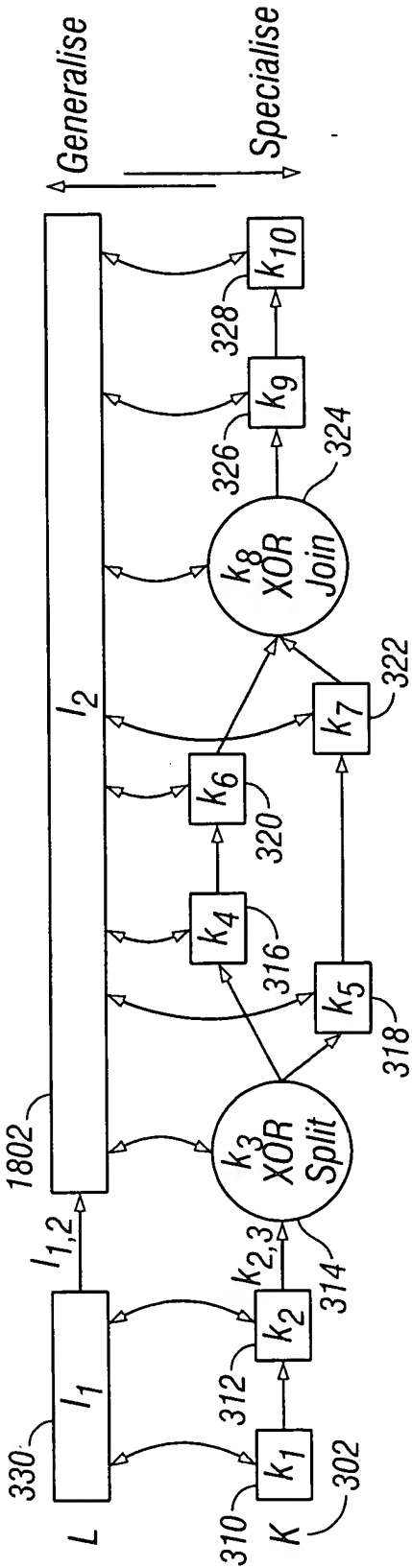


FIG. 18

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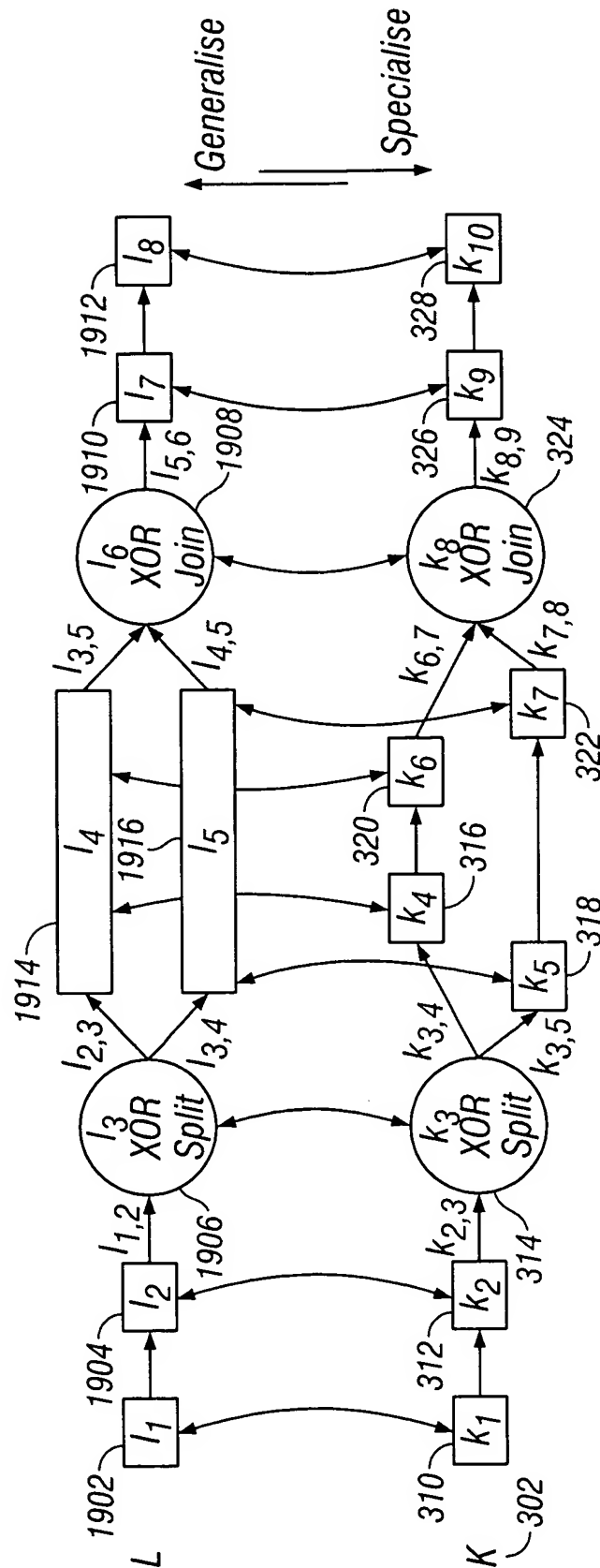


FIG. 19

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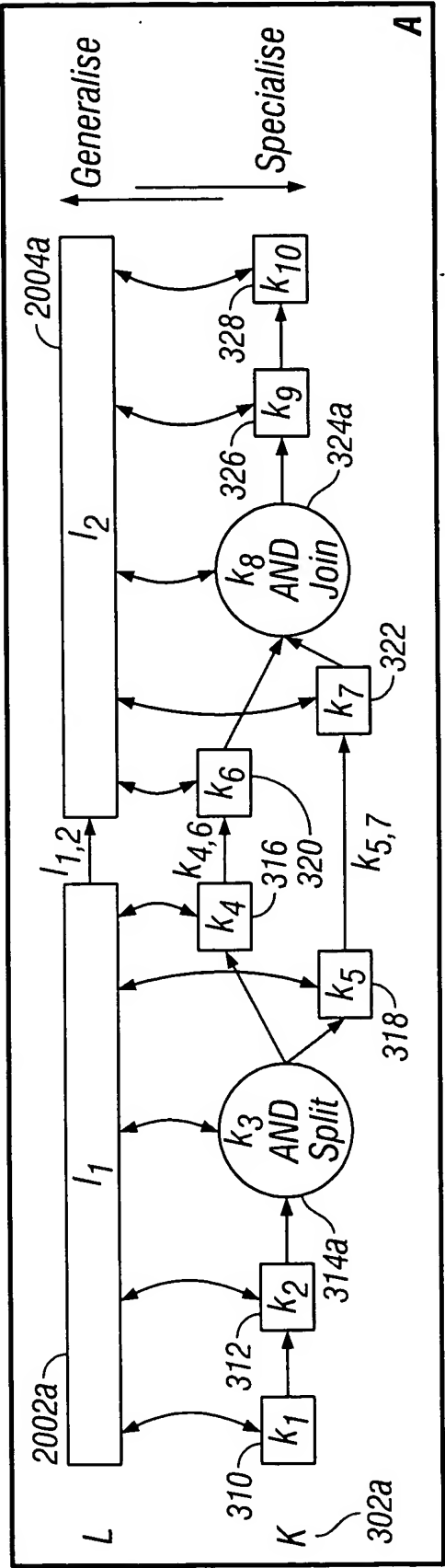


FIG. 20A

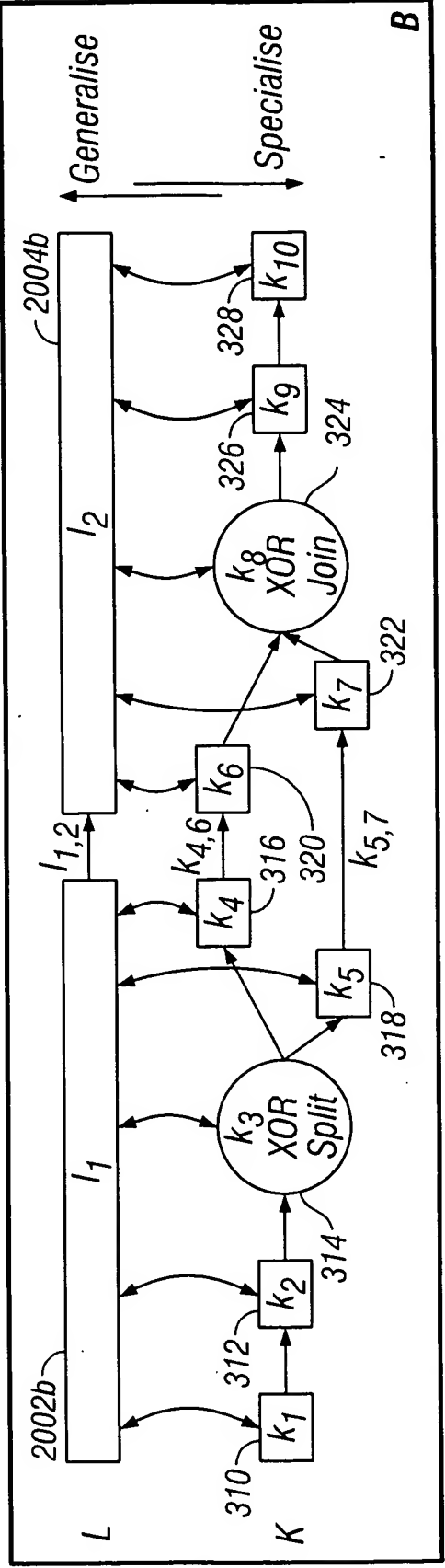


FIG. 20B

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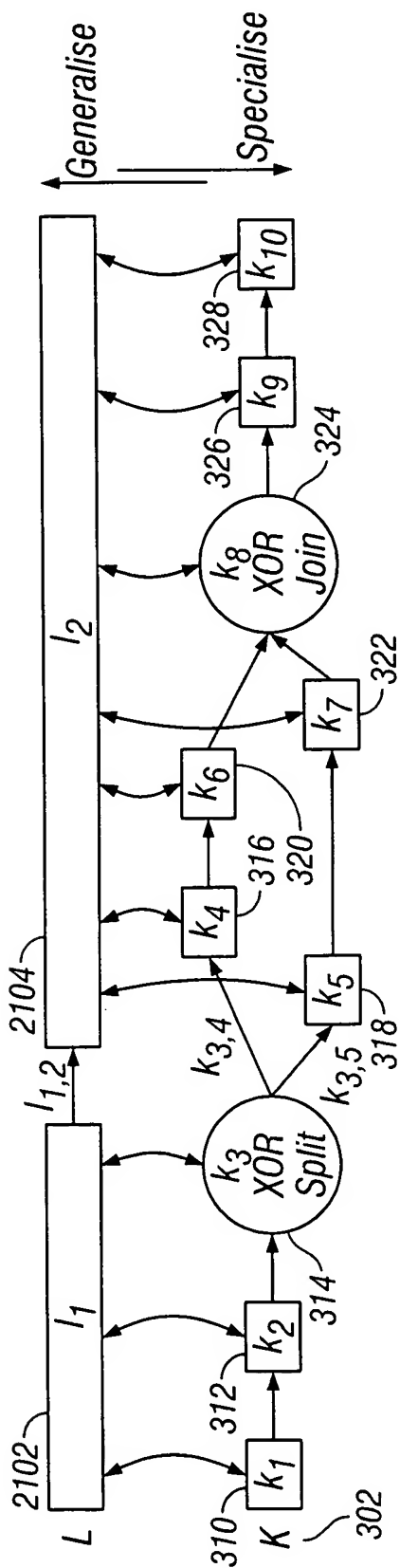
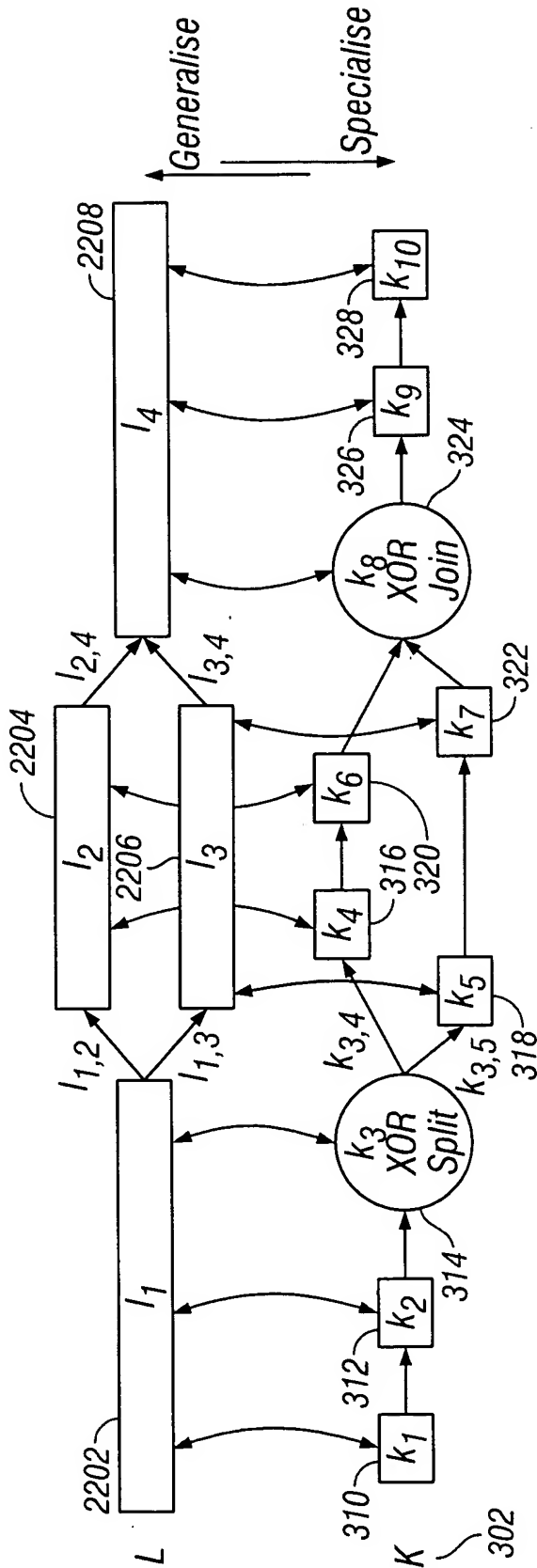


FIG. 21

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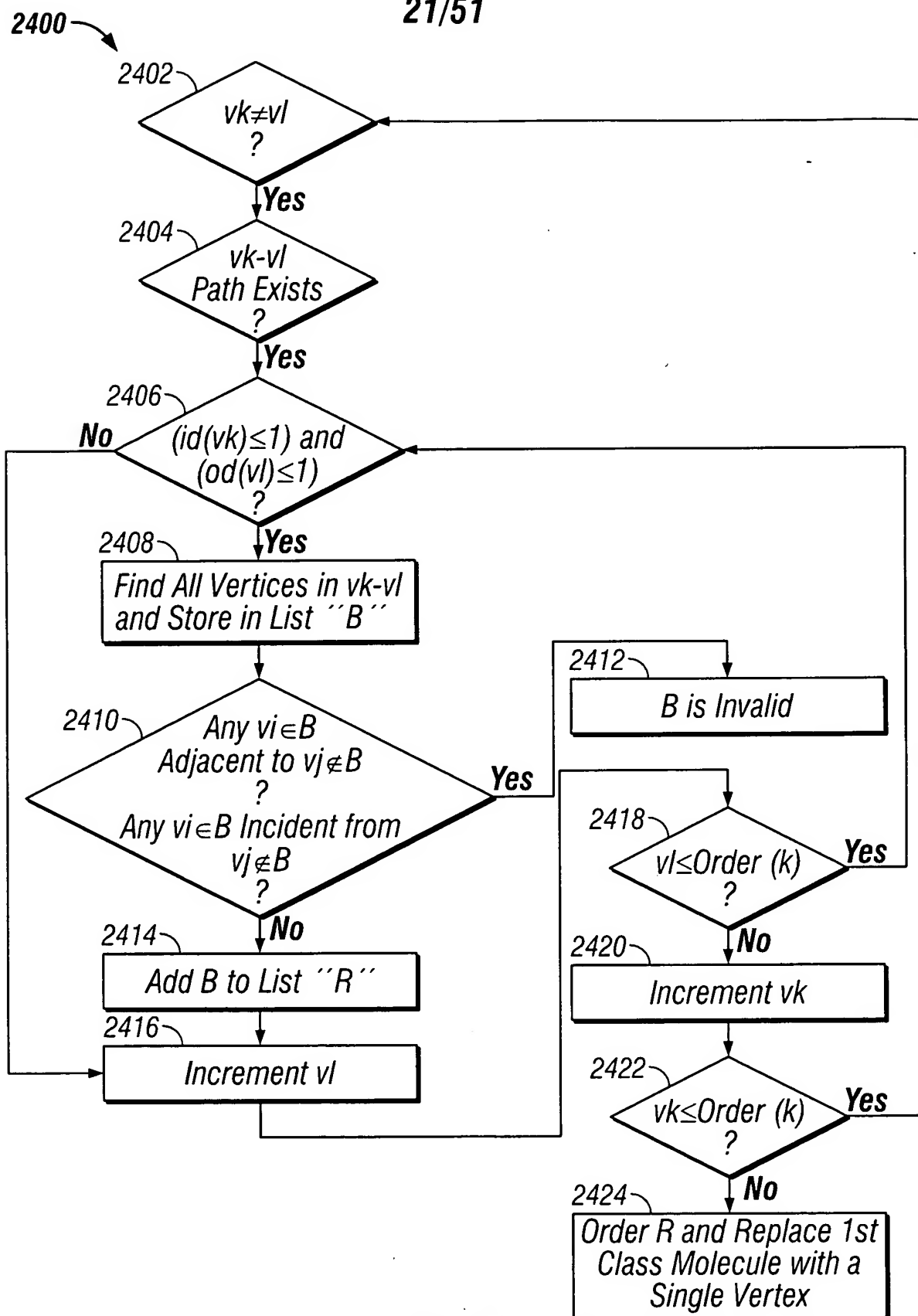


FIG. 24

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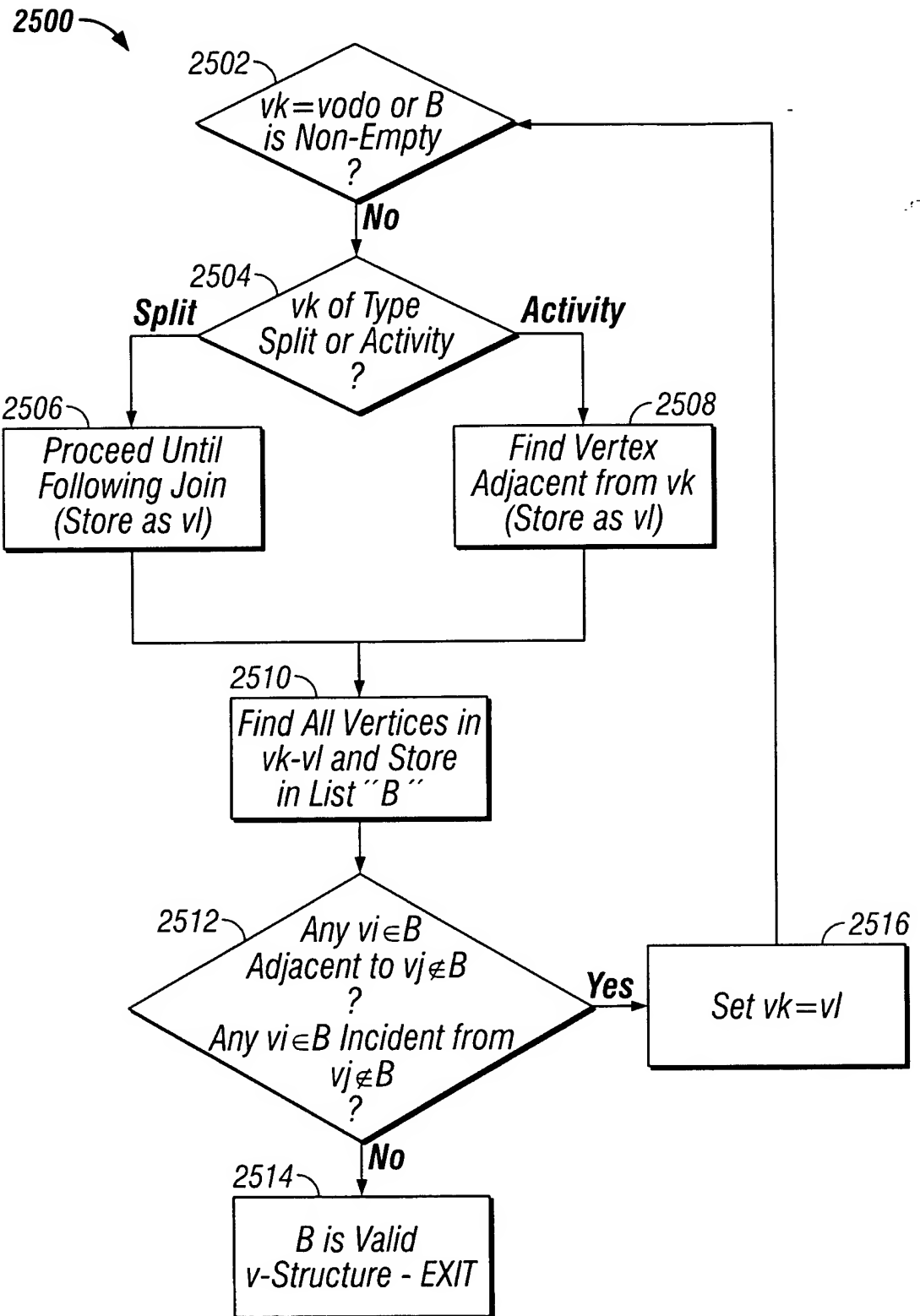


FIG. 25

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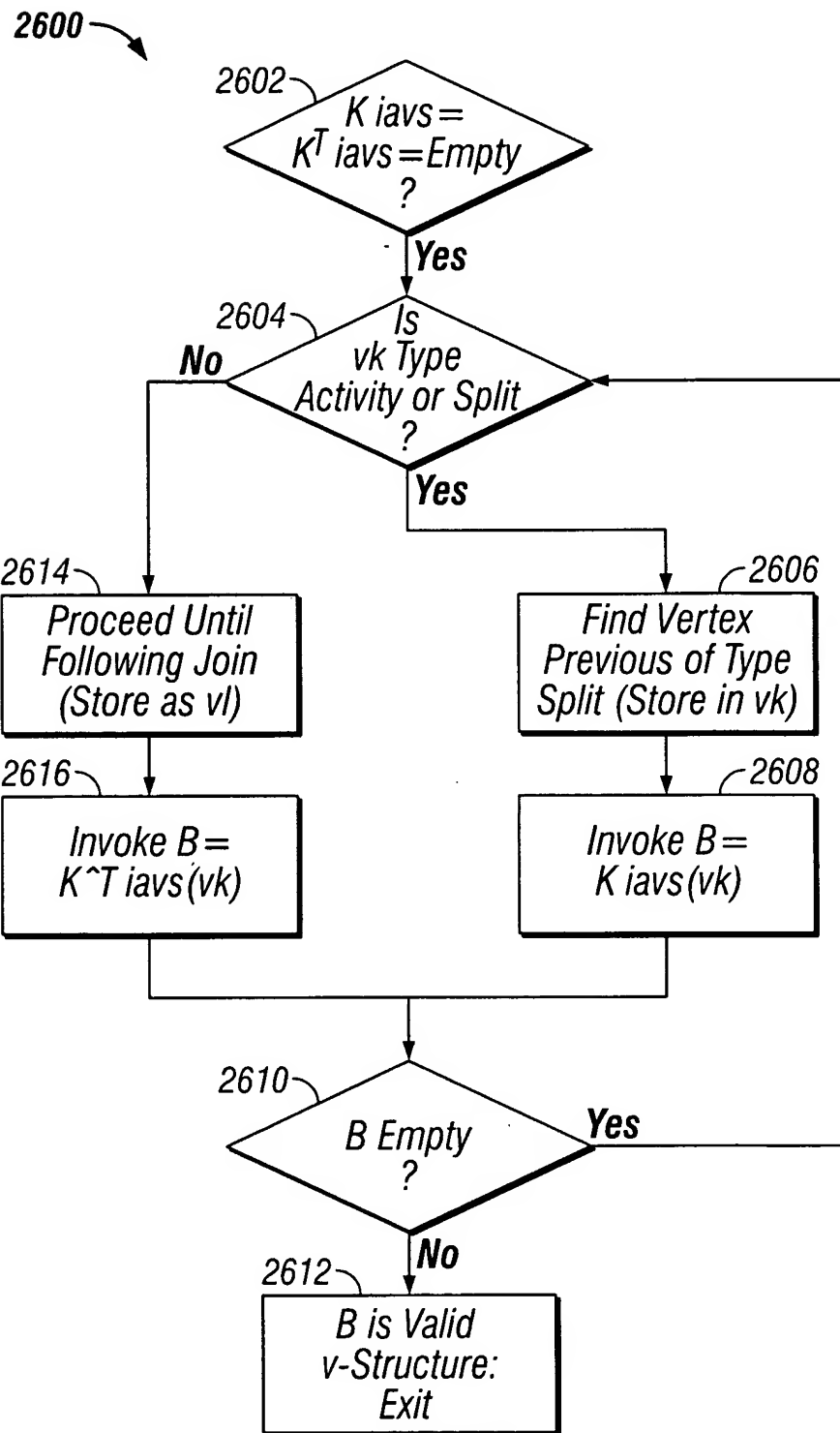
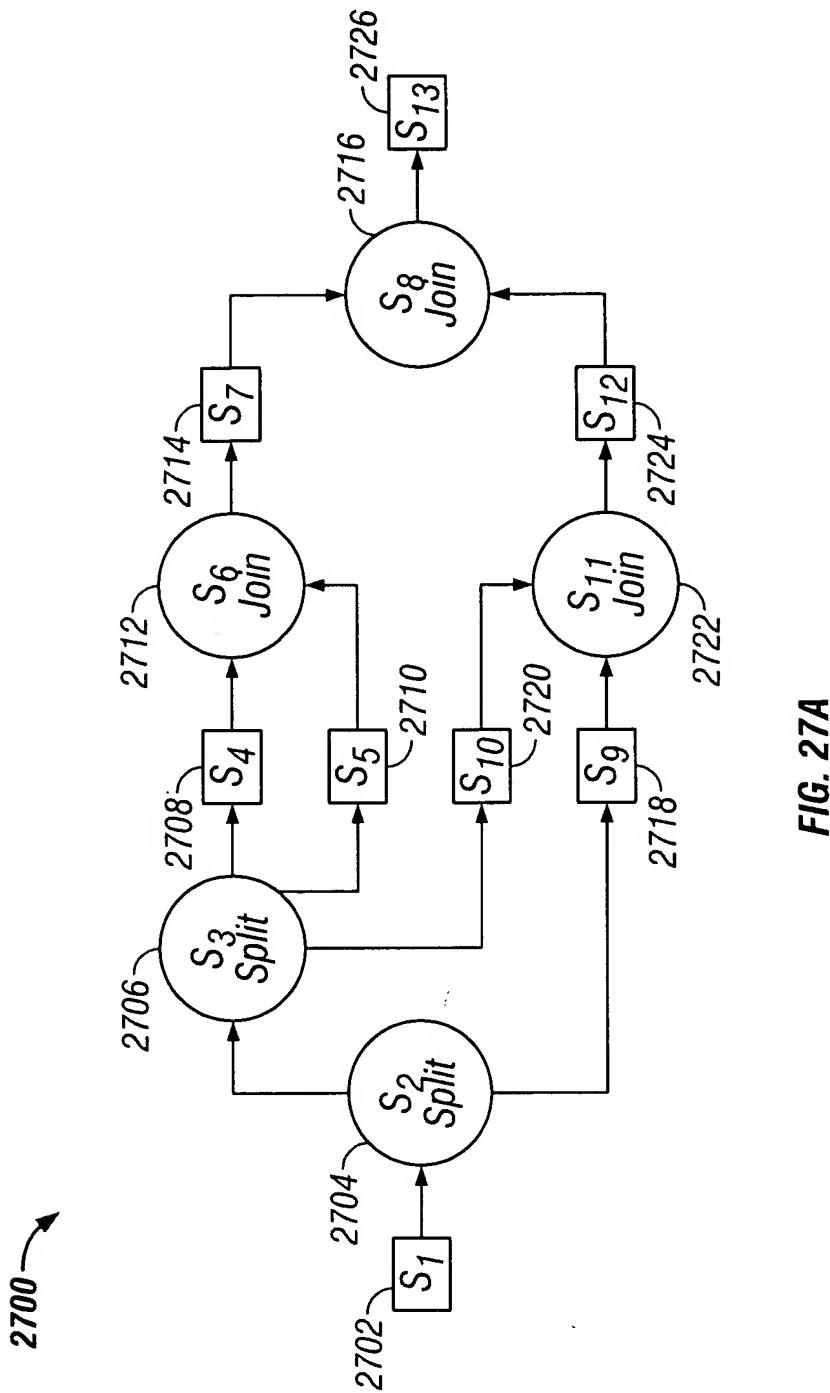


FIG. 26

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V_k	$S_{iavs}(v_k)$
S_1	$\{S_1, S_2, S_3, S_4, S_5, S_6, S_7, S_8, S_9, S_{10}, S_{11}, S_{12}\}$
S_2	$\{S_2, S_3, S_4, S_5, S_6, S_7, S_8, S_9, S_{10}, S_{11}, S_{12}\}$
S_3	$\{S_2, S_3, S_4, S_5, S_6, S_7, S_8, S_9, S_{10}, S_{11}, S_{12}\}$
S_4	$\{S_2, S_3, S_4, S_5, S_6, S_7, S_8, S_9, S_{10}, S_{11}, S_{12}\}$
S_5	$\{S_2, S_3, S_4, S_5, S_6, S_7, S_8, S_9, S_{10}, S_{11}, S_{12}\}$
S_6	$\{S_2, S_3, S_4, S_5, S_6, S_7, S_8, S_9, S_{10}, S_{11}, S_{12}\}$
S_7	$\{S_2, S_3, S_4, S_5, S_6, S_7, S_8, S_9, S_{10}, S_{11}, S_{12}\}$
S_8	$\{S_2, S_3, S_4, S_5, S_6, S_7, S_8, S_9, S_{10}, S_{11}, S_{12}\}$
S_9	$\{S_2, S_3, S_4, S_5, S_6, S_7, S_8, S_9, S_{10}, S_{11}, S_{12}\}$
S_{10}	$\{S_2, S_3, S_4, S_5, S_6, S_7, S_8, S_9, S_{10}, S_{11}, S_{12}\}$
S_{11}	$\{S_2, S_3, S_4, S_5, S_6, S_7, S_8, S_9, S_{10}, S_{11}, S_{12}\}$
S_{12}	$\{S_2, S_3, S_4, S_5, S_6, S_7, S_8, S_9, S_{10}, S_{11}, S_{12}\}$
S_{13}	$\{S_2, S_3, S_4, S_5, S_6, S_7, S_8, S_9, S_{10}, S_{11}, S_{12}, S_{13}\}$

FIG. 27B

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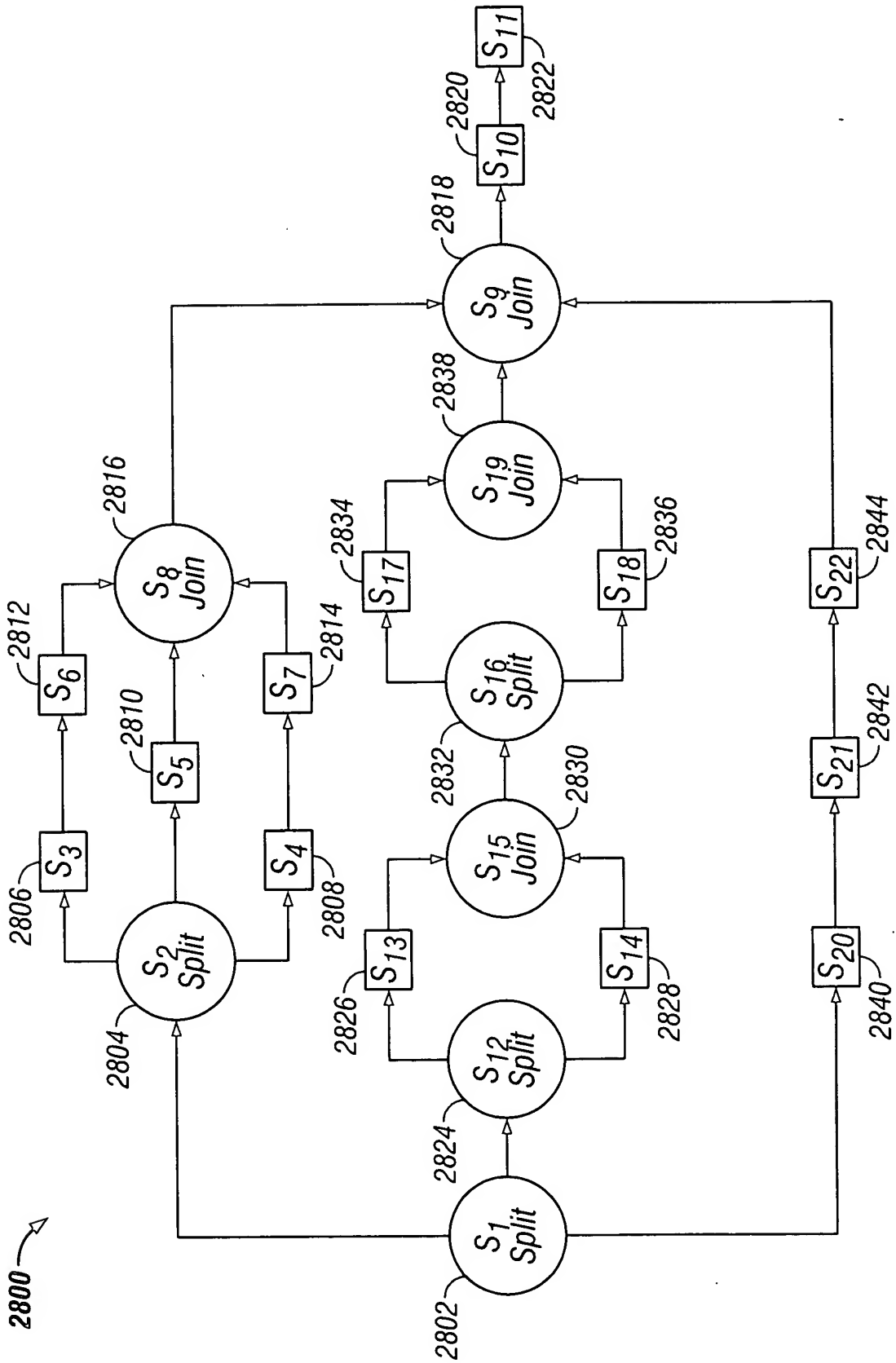


FIG. 28A

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V_k	$S_{iavs_e}(V_k)$
S_1	$\{S_1, S_2, S_3, S_4, S_5, S_6, S_7, S_8, S_9, S_{12}, S_{13}, S_{14}, S_{15}, S_{16}, S_{17}, S_{18}, S_{19}, S_{20}, S_{21}, S_{22}\}$
S_2	$\{S_2, S_3, S_4, S_5, S_6, S_7, S_8\}$
S_3	$\{S_3, S_6\}$
S_4	$\{S_4, S_7\}$
S_5	$\{S_2, S_3, S_4, S_5, S_6, S_7, S_8\}$
S_6	$\{S_3, S_6\}$
S_7	$\{S_4, S_7\}$
S_8	$\{S_2, S_3, S_4, S_5, S_6, S_7, S_8\}$
S_9	$\{S_1, S_2, S_3, S_4, S_5, S_6, S_7, S_8, S_9, S_{12}, S_{13}, S_{14}, S_{15}, S_{16}, S_{17}, S_{18}, S_{19}, S_{20}, S_{21}, S_{22}\}$
S_{10}	$\{S_1, S_2, S_3, S_4, S_5, S_6, S_7, S_8, S_9, S_{10}, S_{12}, S_{13}, S_{14}, S_{15}, S_{16}, S_{17}, S_{18}, S_{19}, S_{20}, S_{21}, S_{22}\},$ $\{S_{10}, S_{11}\}$
S_{11}	$\{S_{10}, S_{11}\}$
S_{12}	$\{S_{12}, S_{13}, S_{14}, S_{15}\}$
S_{13}	$\{S_{12}, S_{13}, S_{14}, S_{15}\}$
S_{14}	$\{S_{12}, S_{13}, S_{14}, S_{15}\}$
S_{15}	$\{S_{12}, S_{13}, S_{14}, S_{15}\}$
S_{16}	$\{S_{16}, S_{17}, S_{18}, S_{19}\}$
S_{17}	$\{S_{16}, S_{17}, S_{18}, S_{19}\}$
S_{18}	$\{S_{16}, S_{17}, S_{18}, S_{19}\}$
S_{19}	$\{S_{16}, S_{17}, S_{18}, S_{19}\}$
S_{20}	$\{S_{20}, S_{21}\}$
S_{21}	$\{S_{20}, S_{21}\}, \{S_{21}, S_{22}\}$
S_{22}	$\{S_{21}, S_{22}\}$

FIG. 28B

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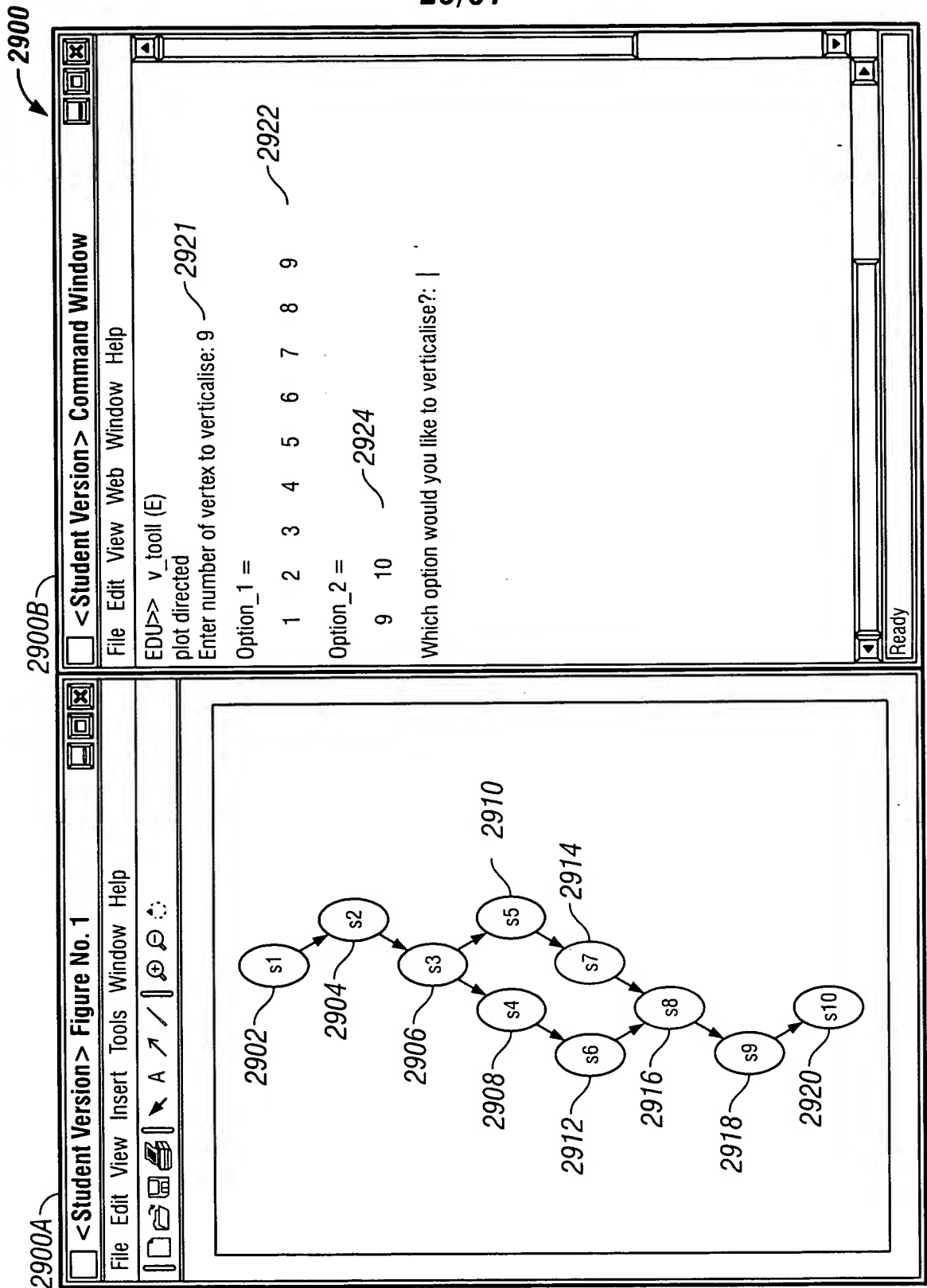


FIG. 29

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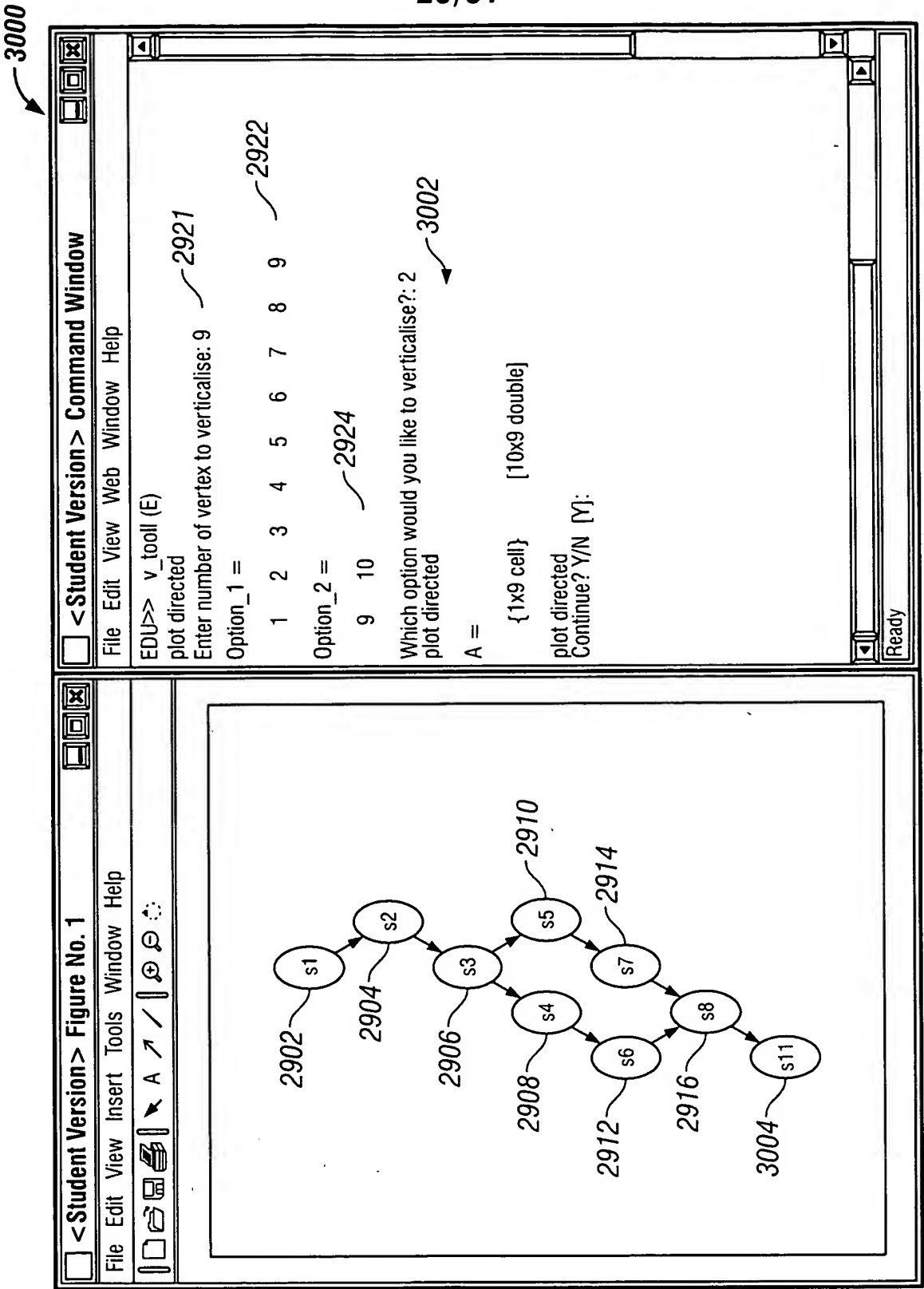


FIG. 30

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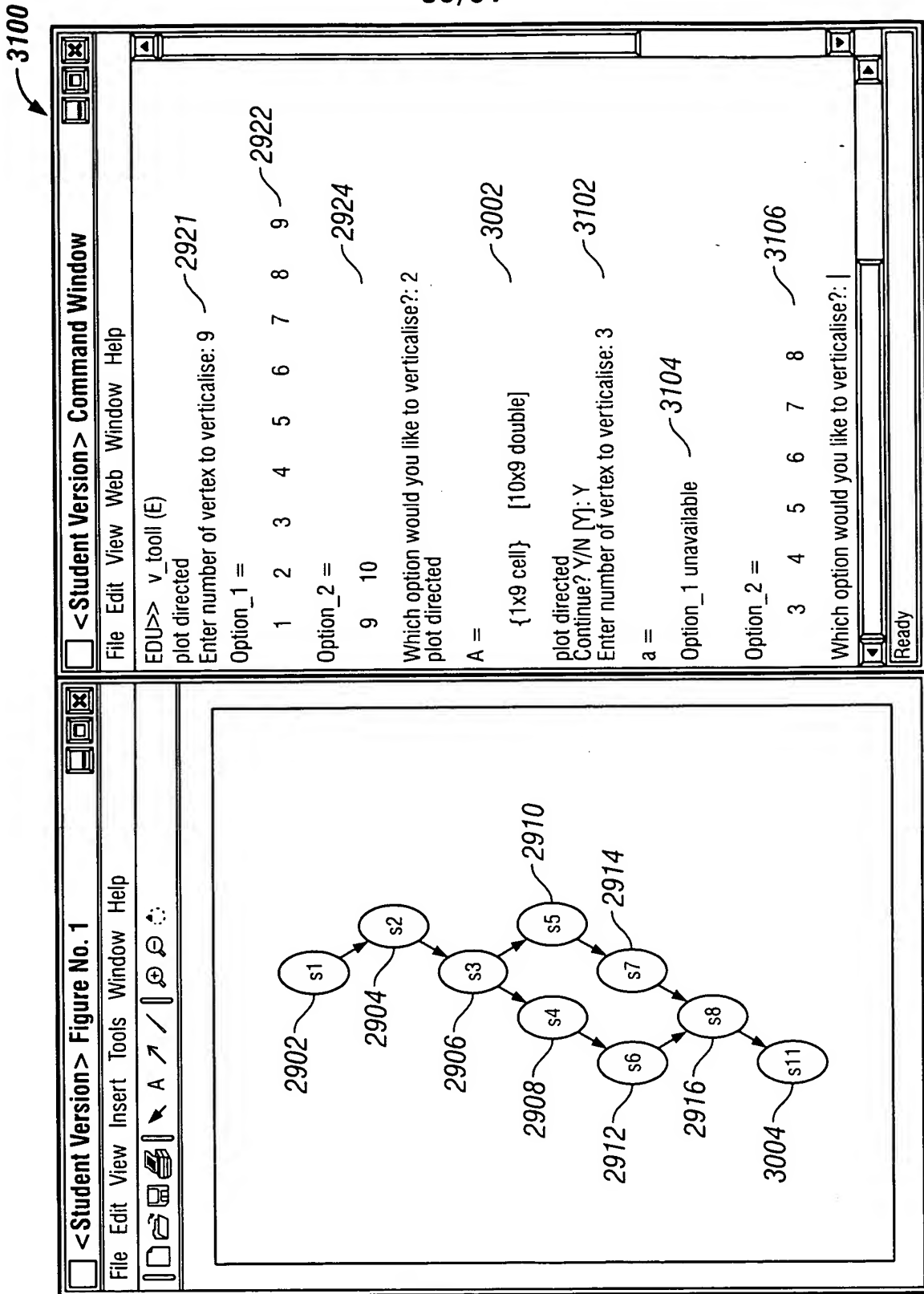


FIG. 31

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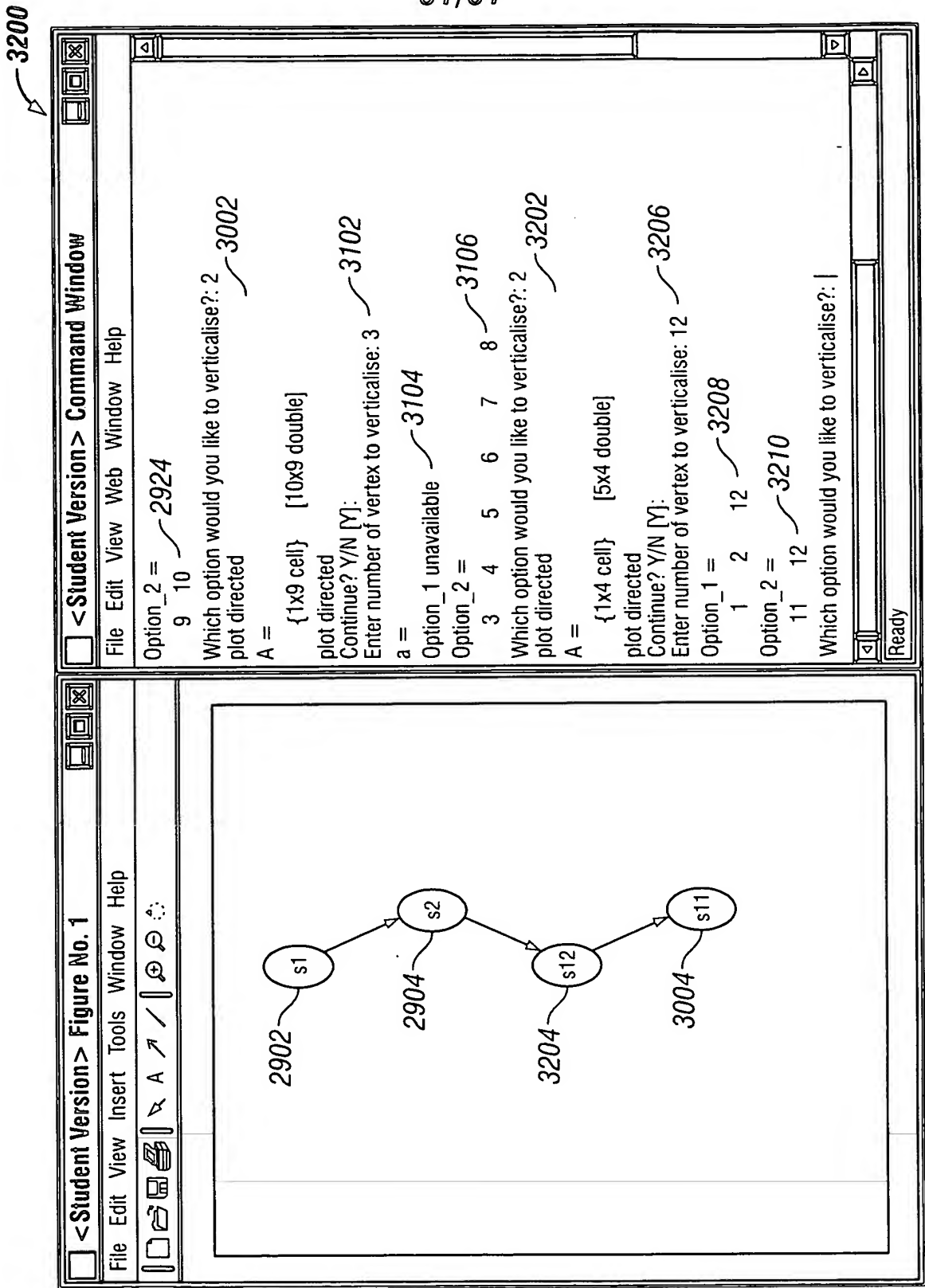


FIG. 32

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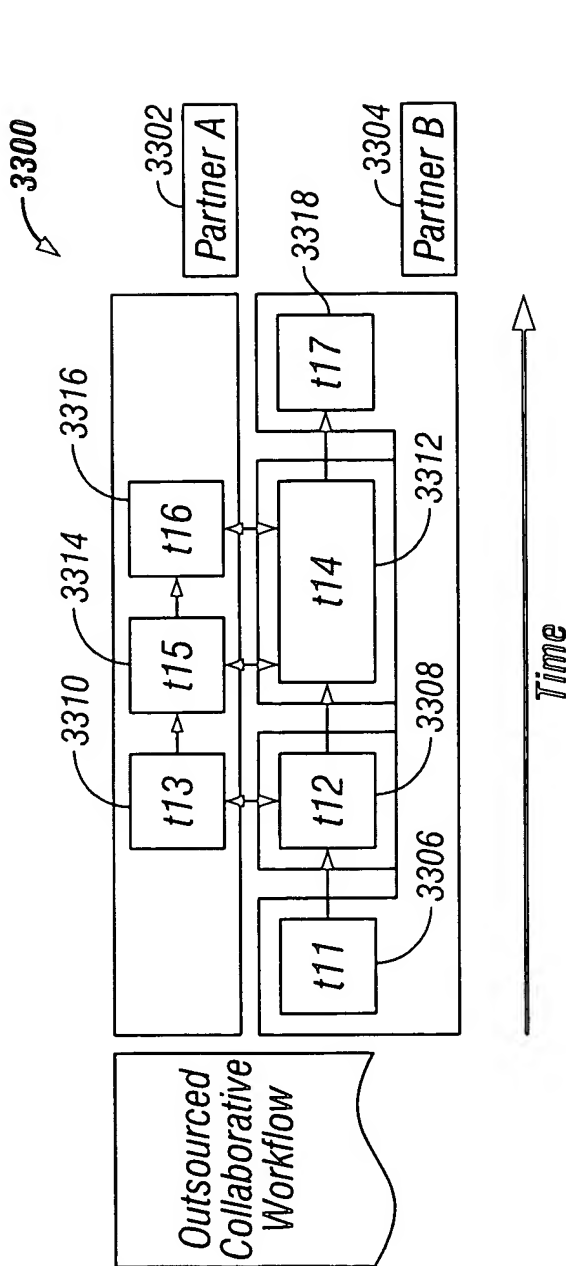


FIG. 33

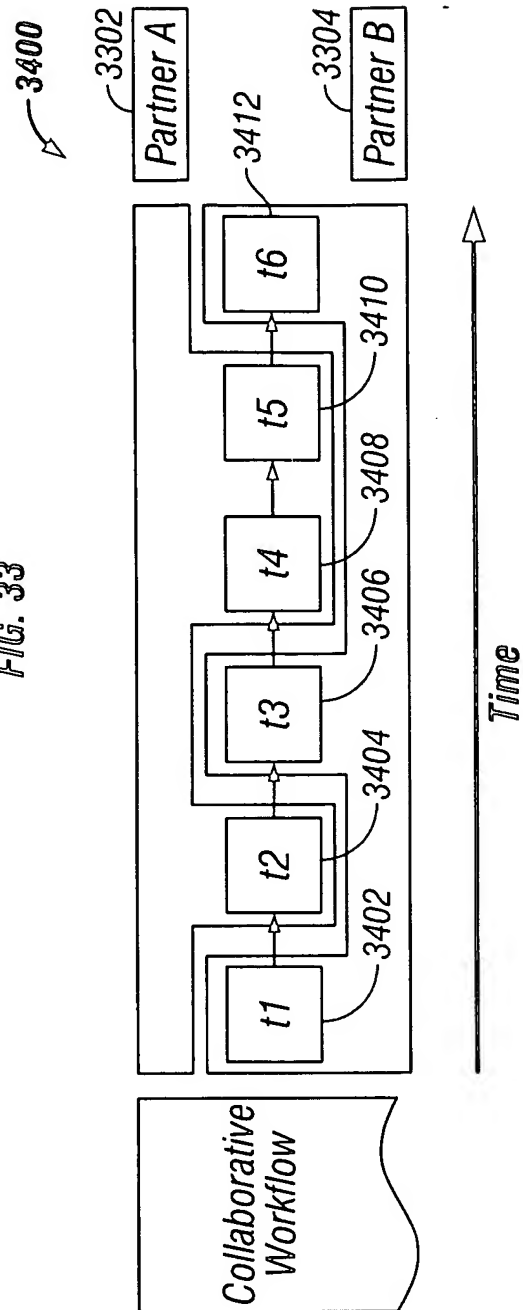


FIG. 34

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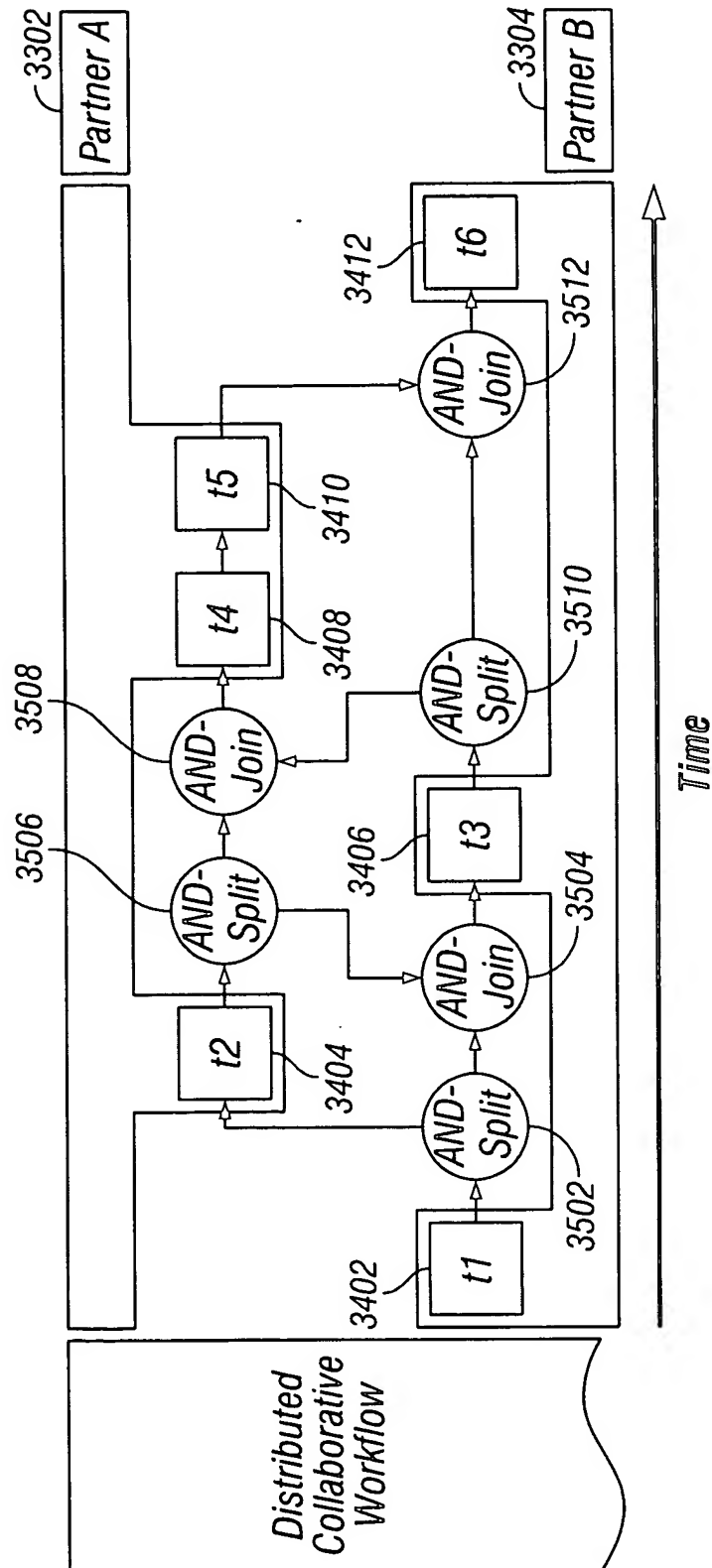


FIG. 35

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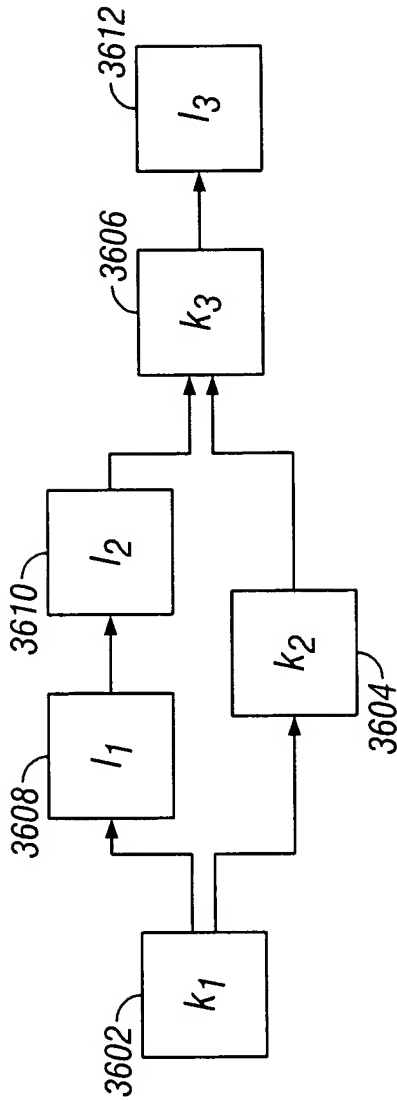


FIG. 36

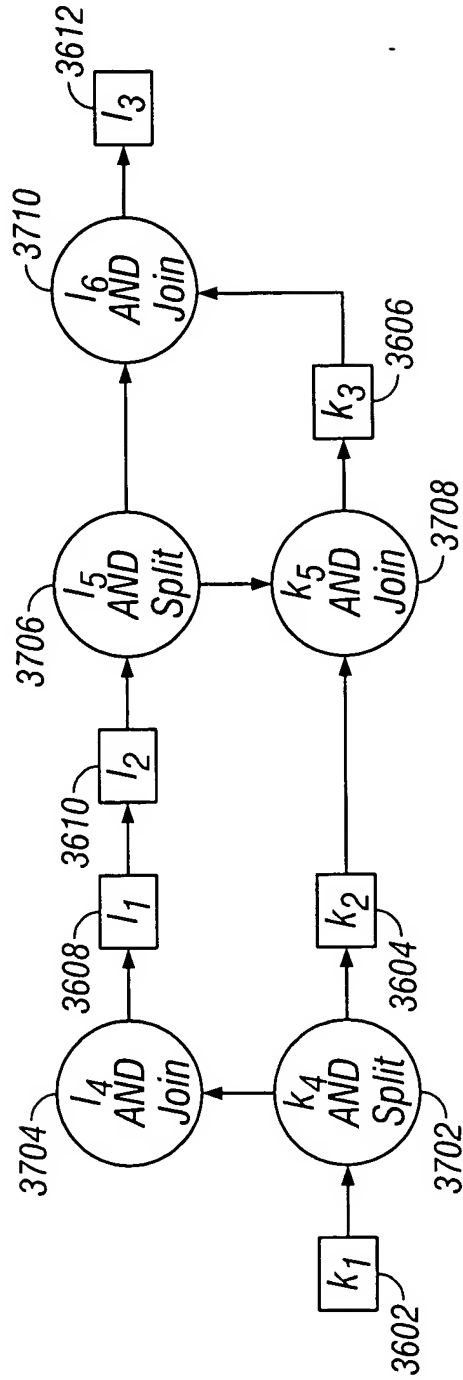


FIG. 37

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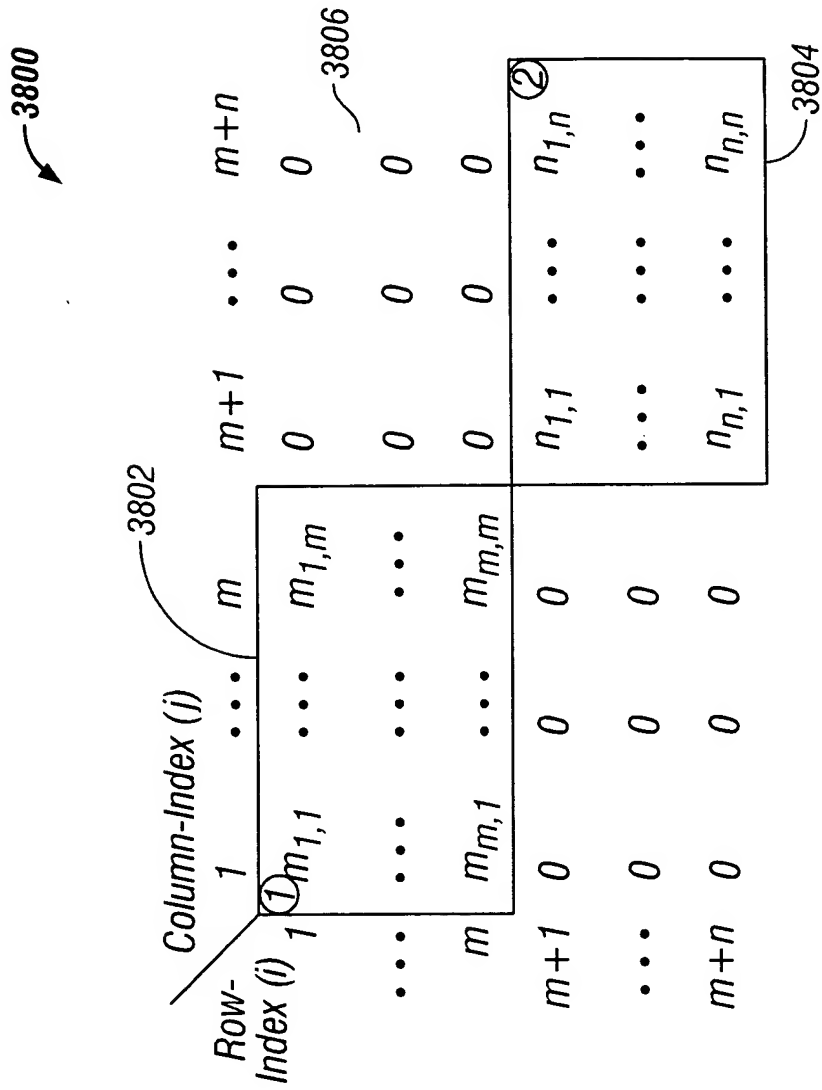


FIG. 38

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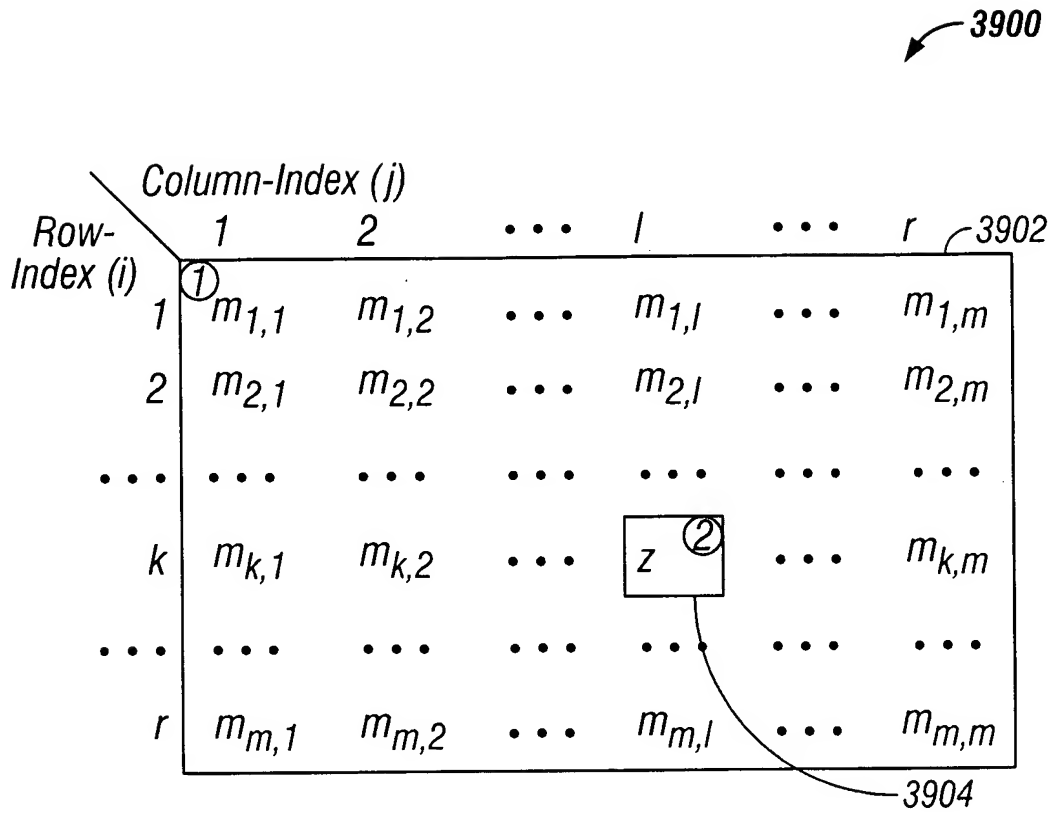


FIG. 39

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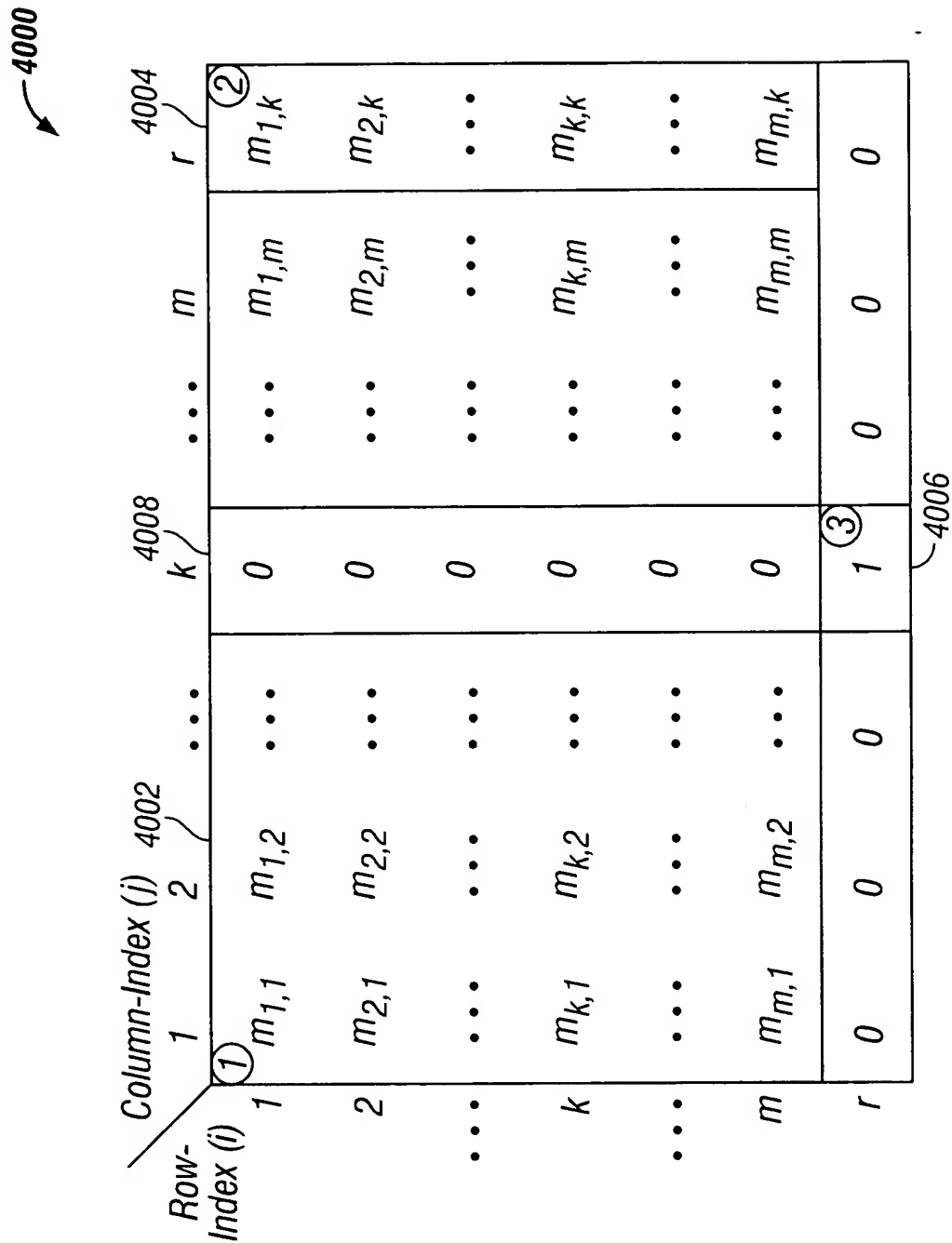


FIG. 40

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4100

Row-Index (i)	Column-Index (j)				
	1	2	...	k	m
1	$m_{1,1}$	$m_{1,2}$...	$m_{1,k}$	$m_{1,m}$
2	$m_{2,1}$	$m_{2,2}$...	$m_{2,k}$	$m_{2,m}$
...
k	0	0	0	0	0
...
m	$m_{m,1}$	$m_{m,2}$...	$m_{m,k}$	$m_{m,m}$
r	$m_{k,1}$	$m_{k,2}$...	$m_{k,k}$	$m_{k,m}$

4104

4106

1

2

3

FIG. 41

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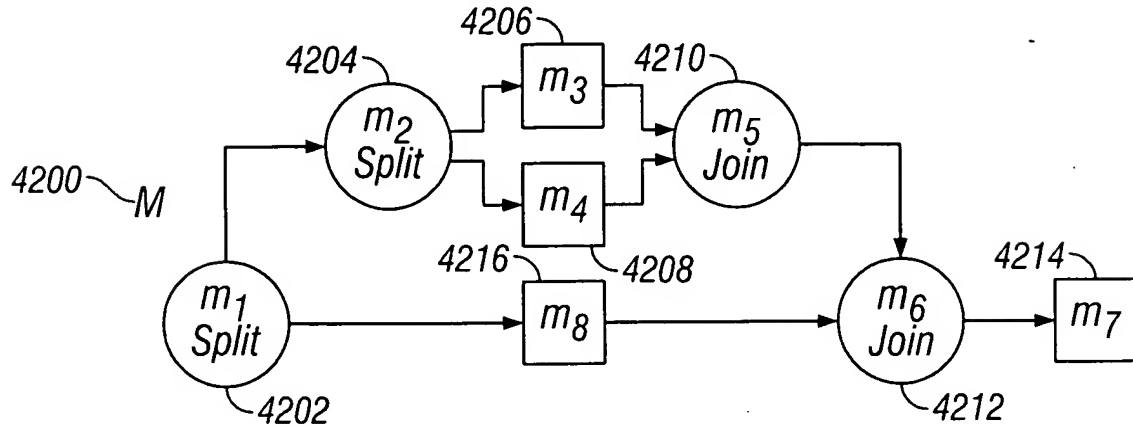


FIG. 42

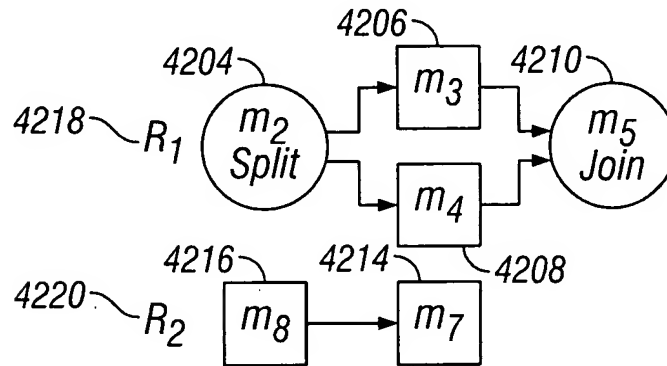


FIG. 42A

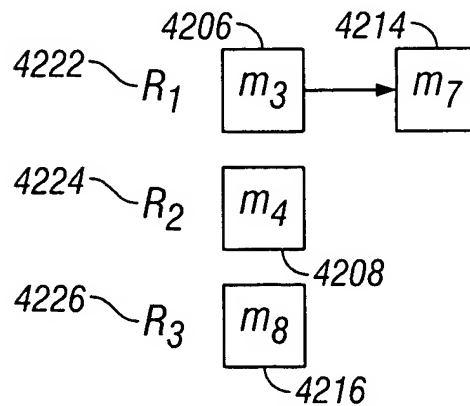


FIG. 42B

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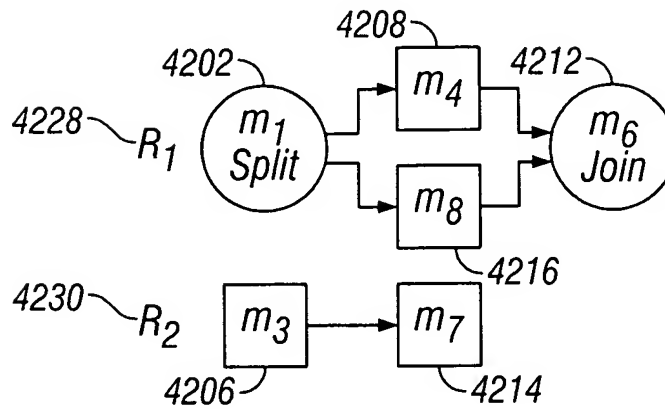


FIG. 42C

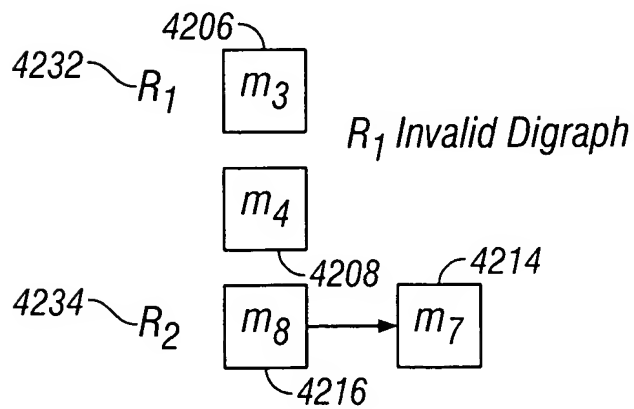


FIG. 42D

4300

Column-Index (j)		1	2	...	k-1	k	k+1	...	r
Row-Index (i)	1	(1) $m_{1,1}$	$m_{1,2}$...	$m_{1,k-1}$	$m_{1,k+1}$	$m_{1,k+2}$...	$m_{1,m}$
	2	$m_{2,1}$	$m_{2,2}$	...	$m_{2,k-1}$	$m_{2,k+1}$	$m_{2,k+2}$	...	$m_{2,m}$

	k-1	$m_{k-1,1}$	$m_{k-1,2}$	...	$m_{k-1,k-1}$	$m_{k-1,k+1}$	$m_{k-1,k+2}$	...	$m_{k-1,m}$
	k	$m_{k+1,1}$	$m_{k+1,2}$...	$m_{k+1,k-1}$	$m_{k+1,k+1}$	$m_{k+1,k+2}$...	$m_{k+1,m}$
	k+1	$m_{k+2,1}$	$m_{k+2,2}$...	$m_{k+2,k-1}$	$m_{k+2,k+1}$	$m_{k+2,k+2}$...	$m_{k+2,m}$

	r	(3) $m_{m,1}$	$m_{m,2}$...	$m_{m,k-1}$	$m_{m,k+1}$	$m_{m,k+2}$...	$m_{m,m}$
		(4)							

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FIG. 43

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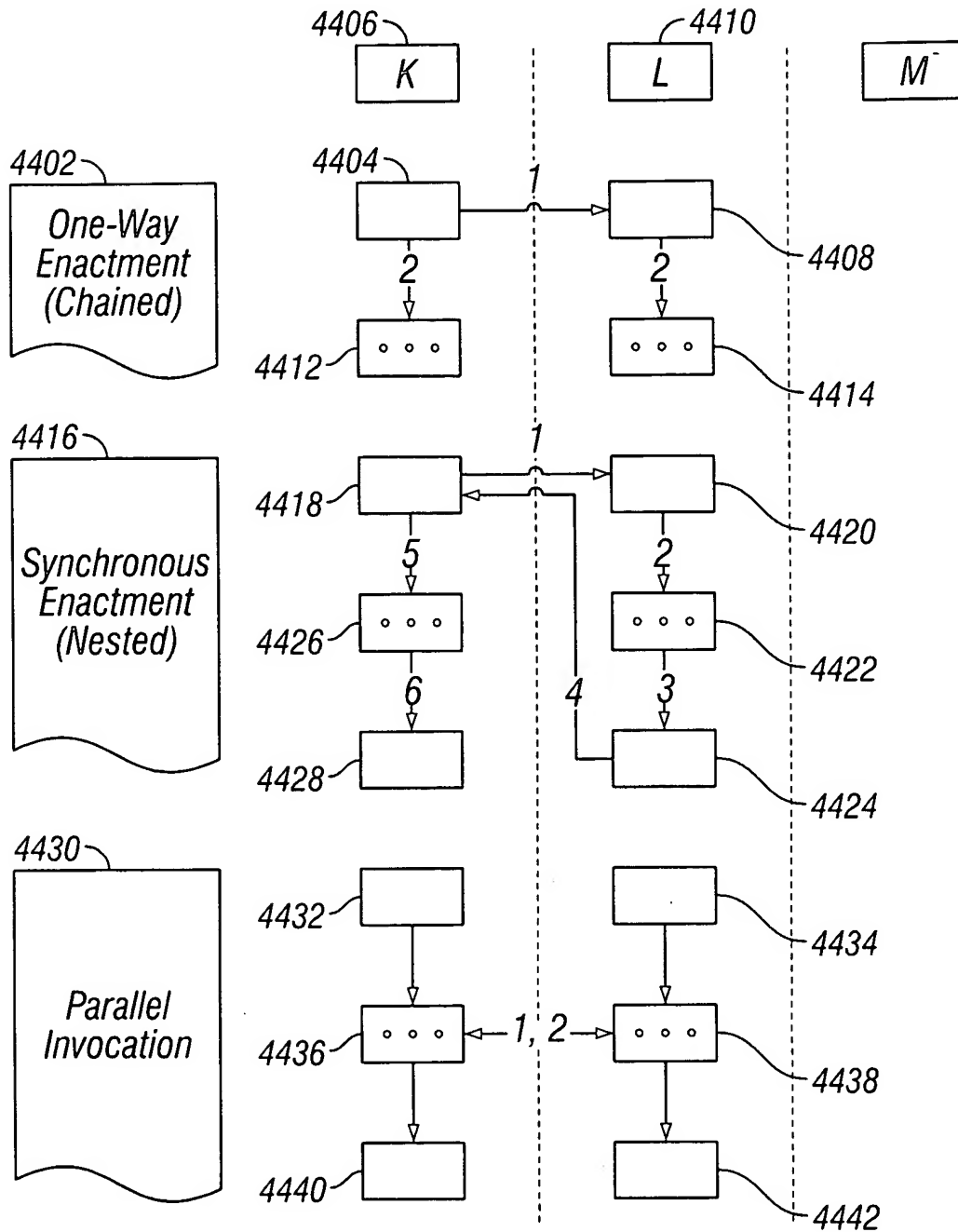


FIG. 44

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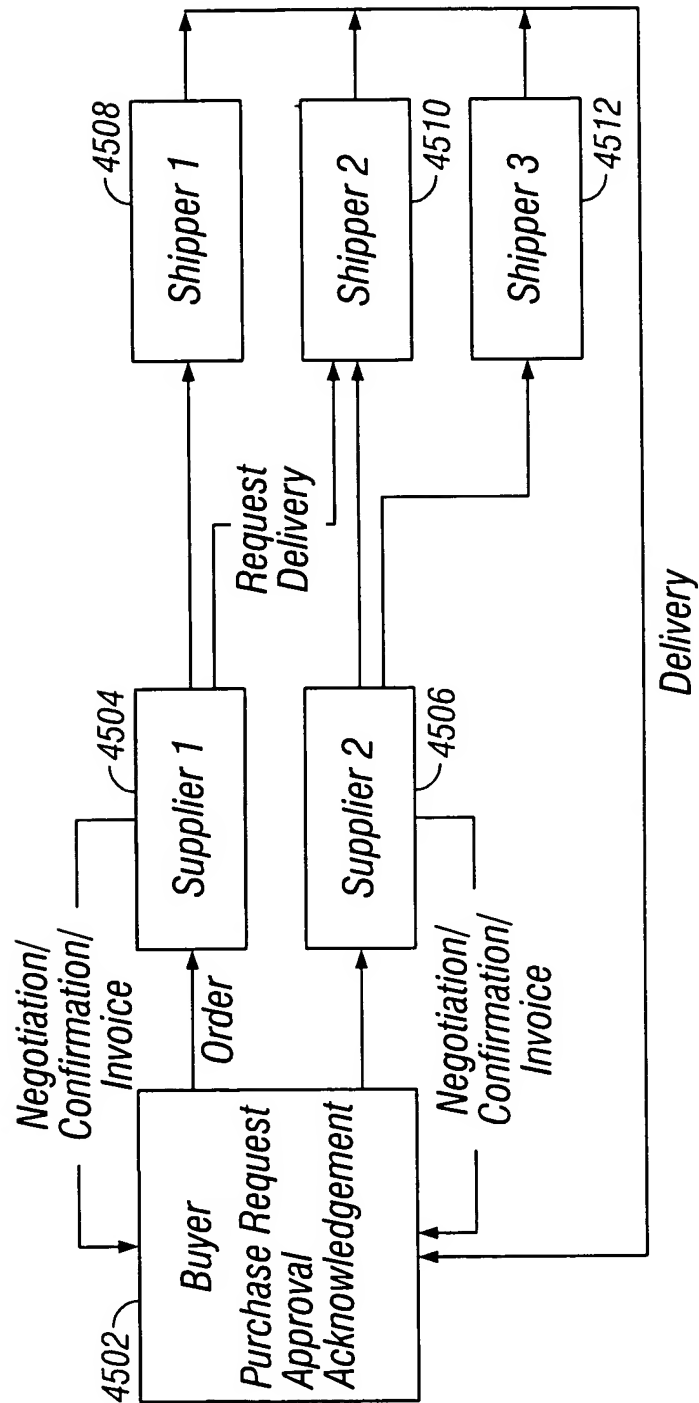


FIG. 45

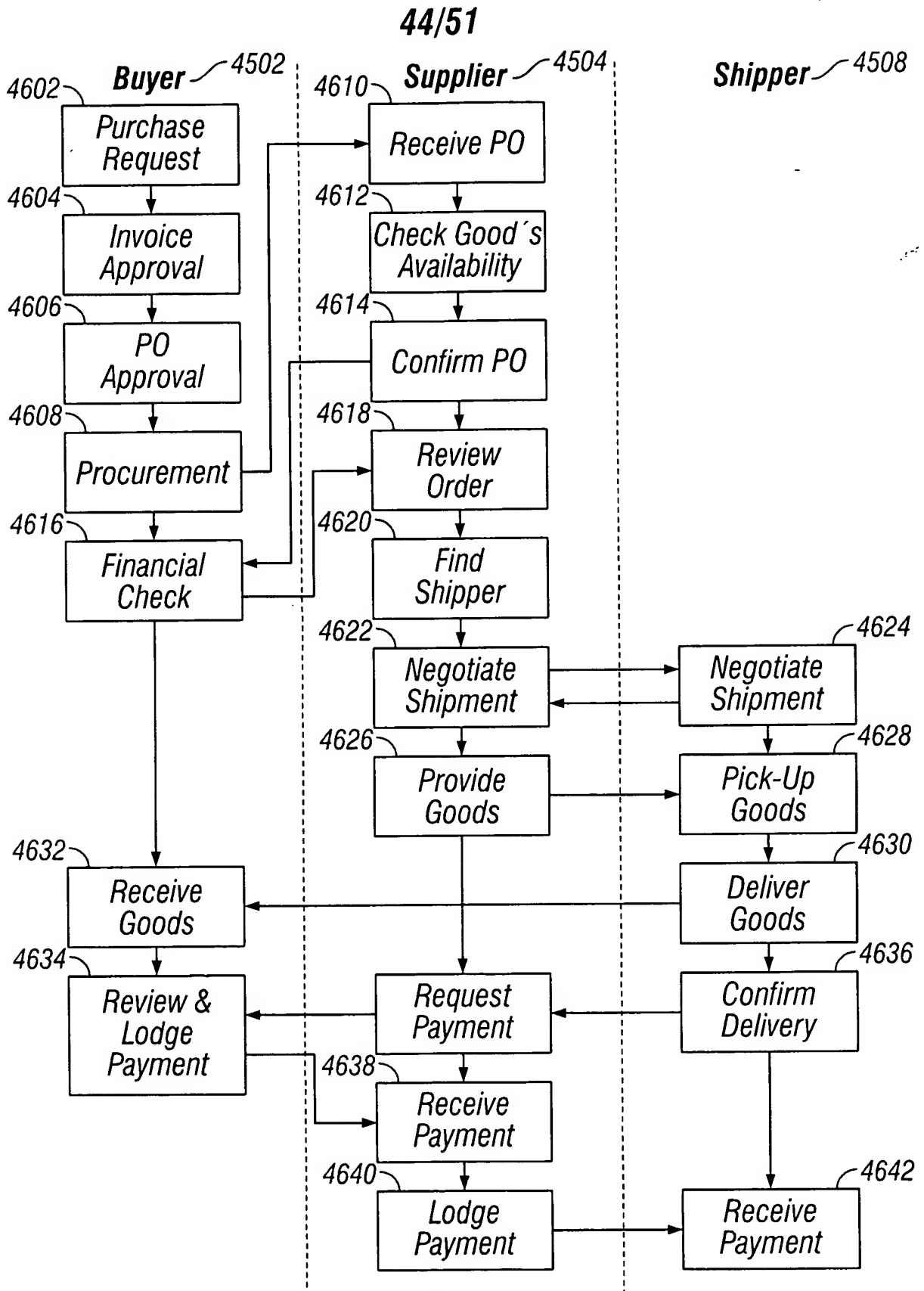


FIG. 46

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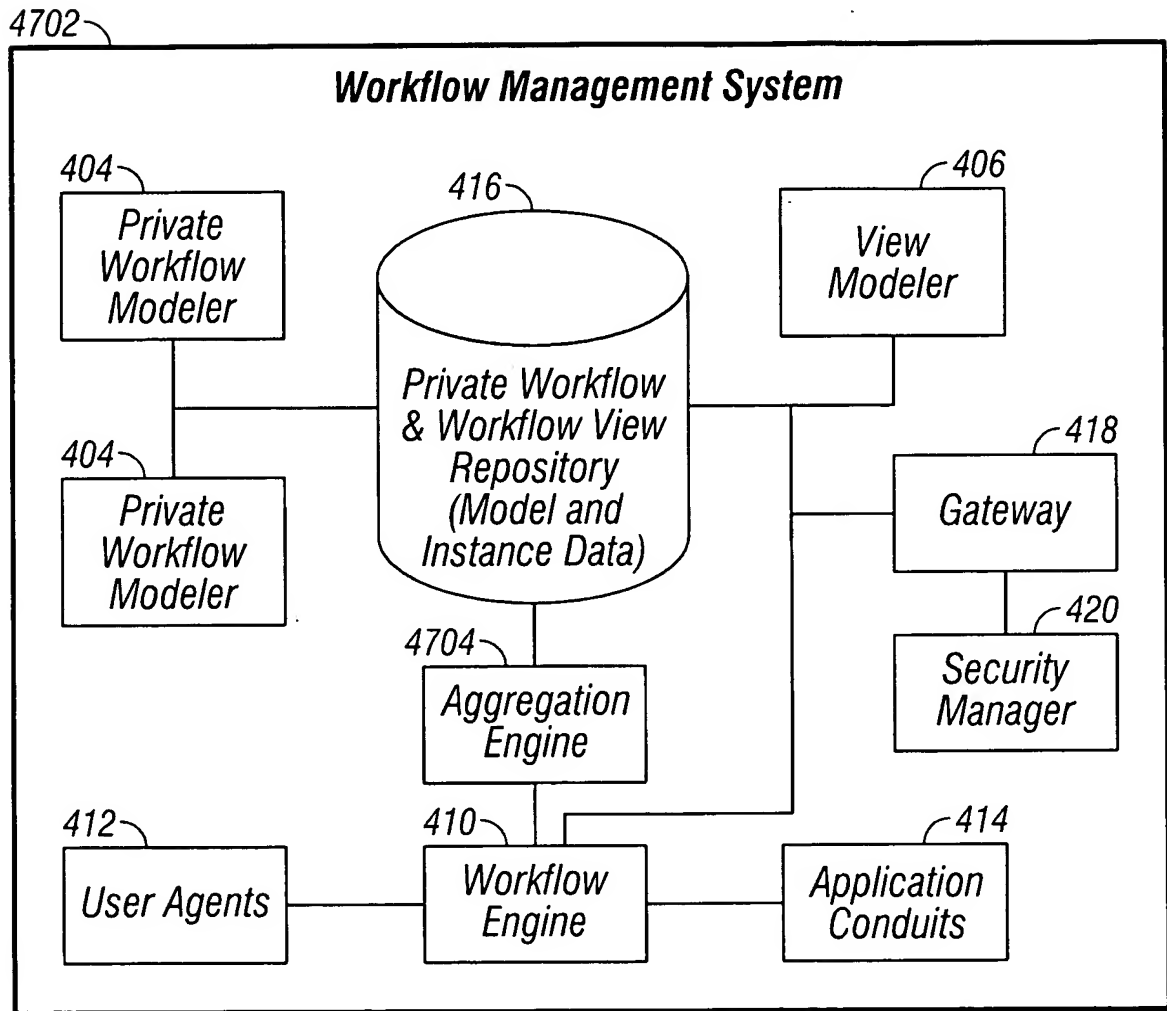


FIG. 47

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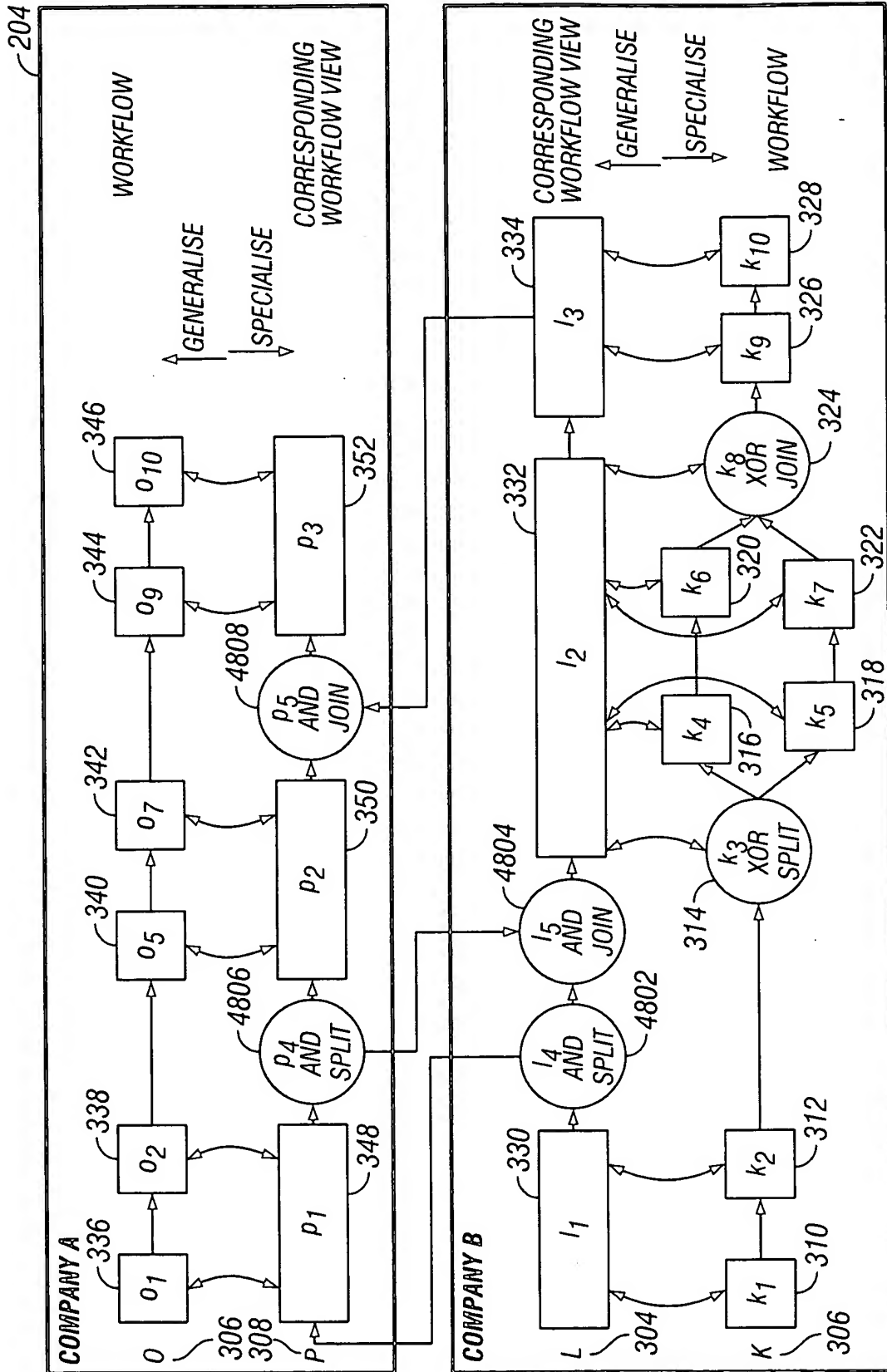


FIG. 48

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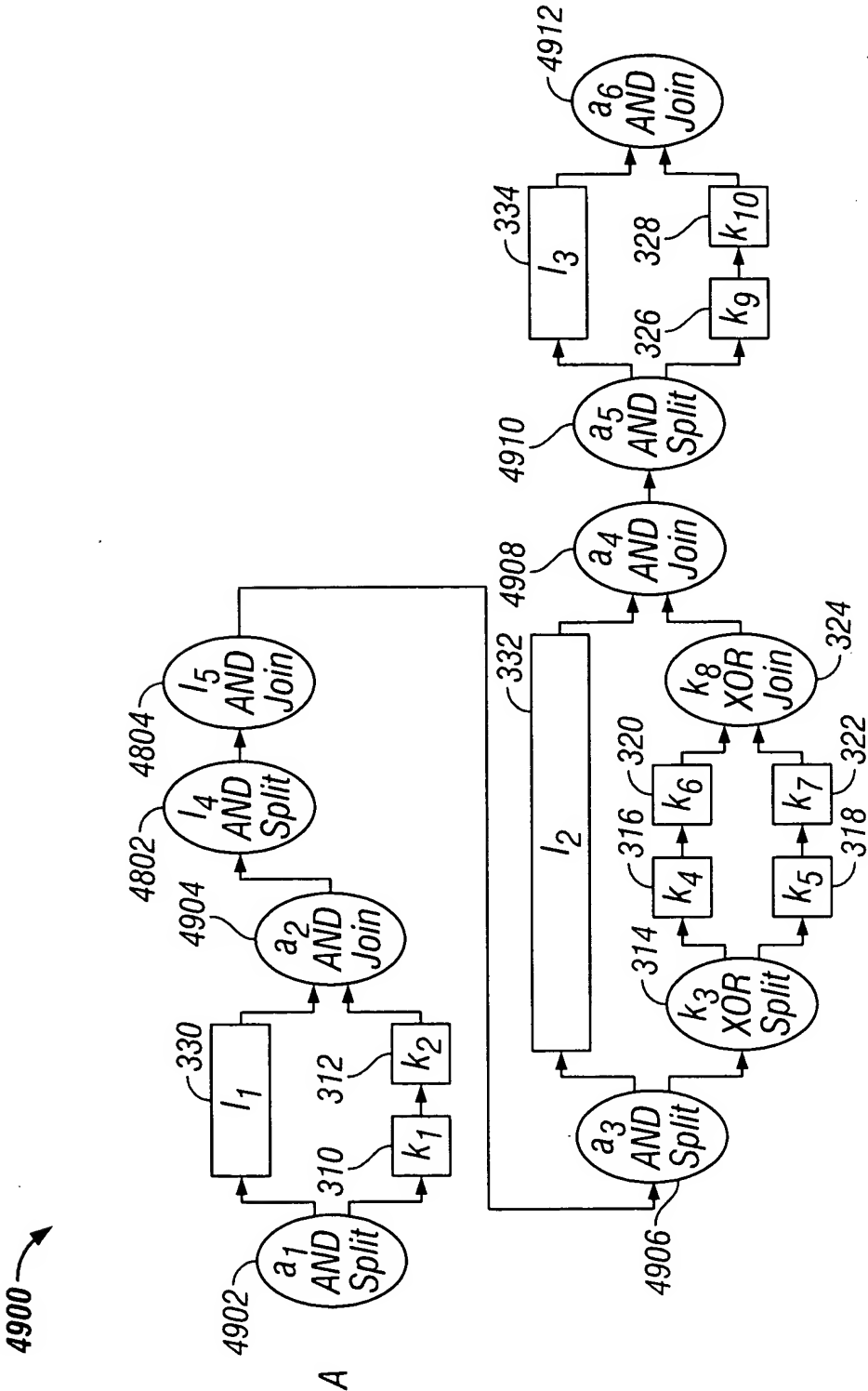


FIG. 49

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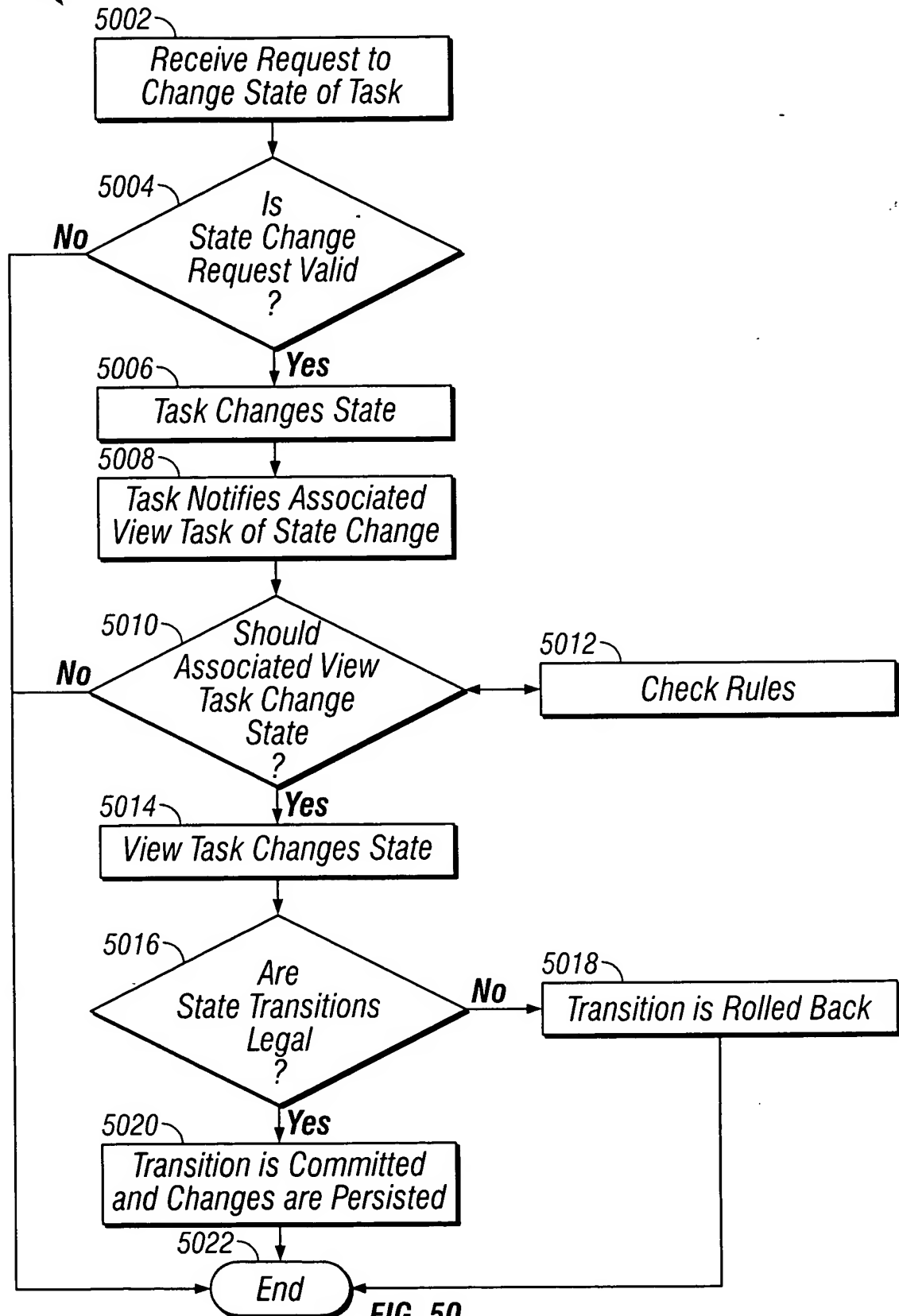


FIG. 50

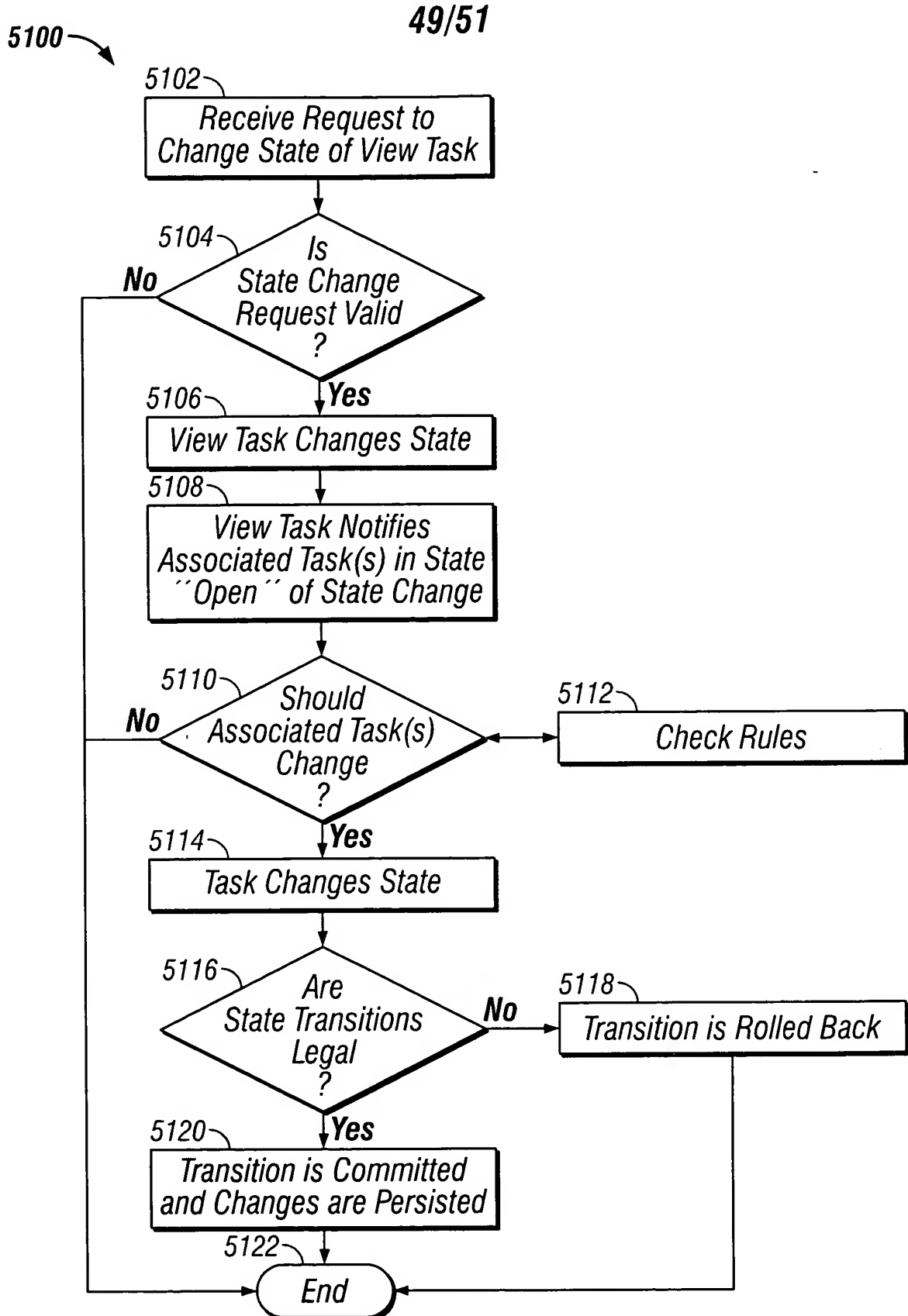


FIG. 51

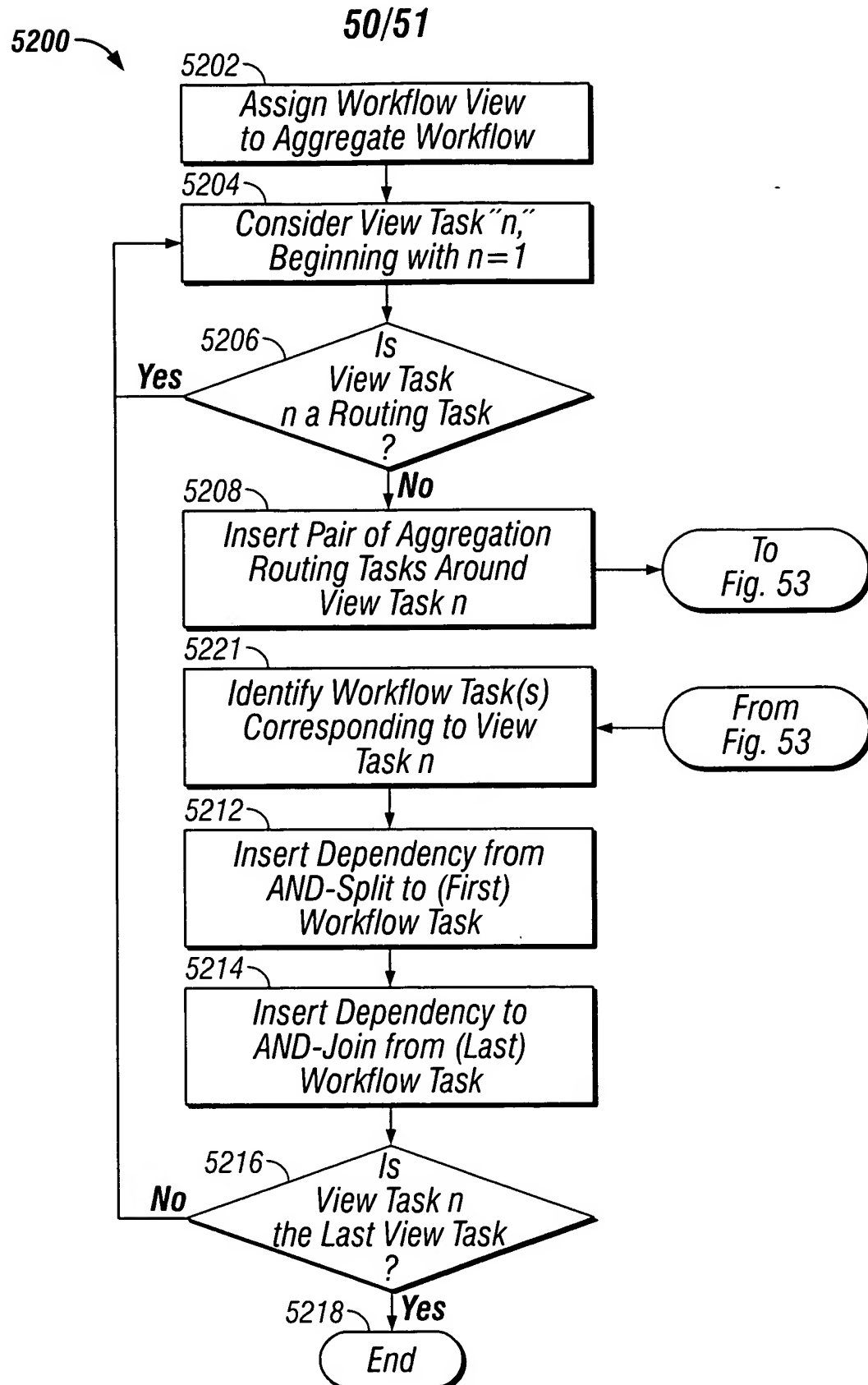


FIG. 52

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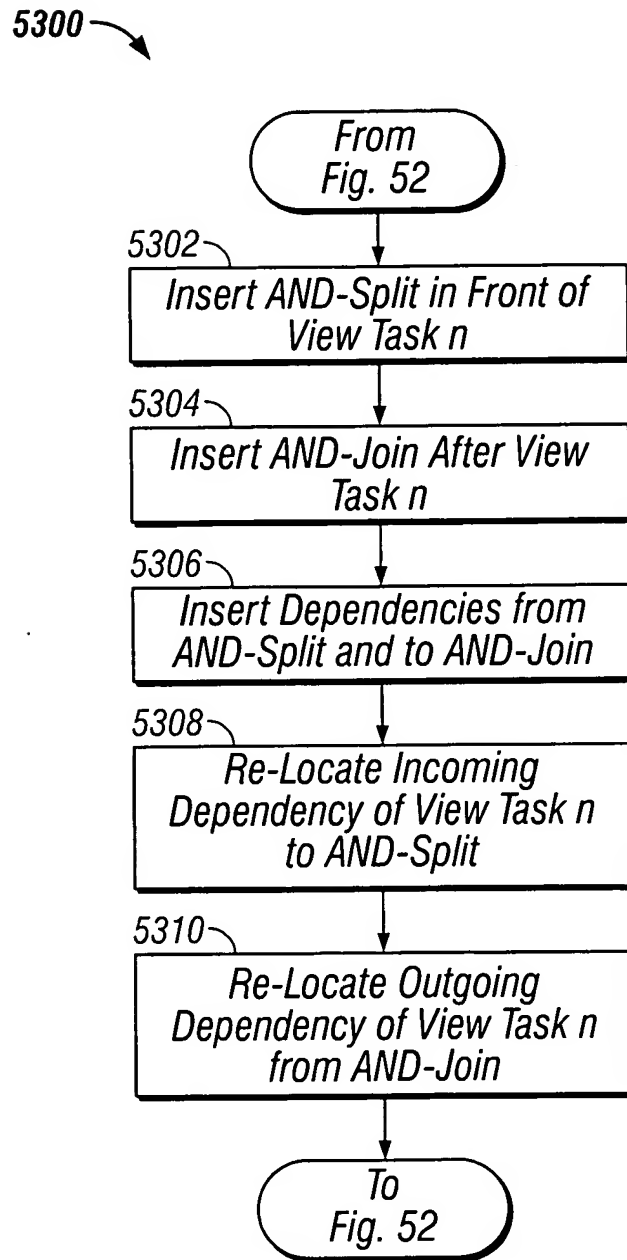


FIG. 53